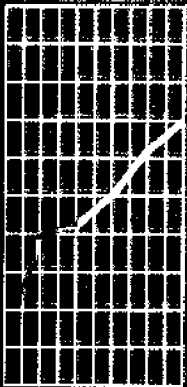




1992-93

Manufacturing Industry Australia



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EMBARGOED UNTIL 11:30 AM 12 MARCH 1996

**MANUFACTURING INDUSTRY
AUSTRALIA
1992-93**

**W. McLennan
Australian Statistician**

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CONTENTS

| | | Page |
|------------------------------|--|------|
| INTRODUCTION | | v |
| SUMMARY OF FINDINGS | Part A. Manufacturing establishment data | 1 |
| | Part B. Manufacturing management unit data | 12 |
| | Graphs | |
| | Percentage change of gross product at factor cost (average 1989-90 prices) by industry subdivision, Australia, 1989-90 to 1992-93 | 2 |
| | Distribution of employment, Australia, June 1993 | 3 |
| | Persons employed per establishment, Australia, 1992-93 | 4 |
| | Distribution of value added by industry subdivision, Australia, 1992-93 | 6 |
| | Distribution of manufacturing value added and employment at the end of June by employment size, Australia, 1992-93 | 7 |
| | Distribution of value added by employment size and industry subdivision, Australia, 1992-93, 0-19 persons | 8 |
| | Distribution of value added by employment size and industry subdivision, Australia, 1992-93, 100 or more persons | 8 |
| | Value added per person employed by employment size, Australia, 1992-93 | 9 |
| | Contribution to industry subdivision turnover by the 4 largest and the 20 largest enterprise groups (within individual subdivisions), Australia, 1992-93 | 9 |
| INDUSTRY DIVISION STATISTICS | | |
| | Tables 1 Gross domestic product at average 1989-90 prices by industry, Australia, 1982-83 to 1992-93 | 15 |
| | 2 Persons employed by industry, Australia, 1984-85 to 1992-93 | 15 |
| MANUFACTURING ESTABLISHMENTS | | |
| | Tables 3 Gross product at factor cost (average 1989-90 prices) by industry class, Australia, 1989-90 to 1992-93 | 16 |
| | 4 Summary of operations by industry subdivision, Australia, 1989-90 to 1992-93 | 24 |
| | 5 Summary of operations by industry class, Australia, 1992-93 | 25 |
| | 6 Selected operating ratios by industry class, Australia, 1989-90 and 1992-93 | 33 |
| | 7 Summary of operations by industry subdivision, States, Territories and Australia, 1992-93 | 41 |
| | 8 Summary of operations by employment size and industry subdivision, Australia, 1992-93 | 44 |

| | | |
|-----------|--|----|
| 9 | Summary statistics and concentration ratios by industry subdivision, Australia, 1992-93 | 49 |
| 10 | Expenditure on environmental protection by industry class, Australia, 1992-93 | 51 |
| 11 | Exports of goods produced by broad employment size by industry subdivision, Australia, 1992-93 | 57 |
| 12 | Summary of operations (in percentage terms) by proportion of exports by industry subdivision, Australia, 1992-93 | 58 |
| 13 | Components of turnover by industry subdivision, Australia, 1992-93 | 59 |
| 14 | Components of purchases, transfers in and selected expenses by industry subdivision, Australia, 1992-93 | 59 |
| 15 | Components of opening and closing stocks by industry subdivision, Australia, 1992-93 | 60 |
| 16 | Components of capital expenditure and disposal of assets by industry subdivision, Australia, 1992-93 | 60 |

MANUFACTURING MANAGEMENT UNITS

| | | | |
|--------|-----------|---|----|
| Tables | 17 | Derivation of industry gross product by industry subdivision, Australia, 1992-93 | 61 |
| | 18 | Derivation of operating profit before tax by industry subdivision, Australia, 1992-93 | 62 |
| | 19 | Assets, liabilities and net worth by industry subdivision, Australia, 1992-93 | 63 |
| | 20 | Industry performance ratios by industry subdivision, Australia, 1992-93 | 64 |
| | 21 | Source of funds for capital expenditure by industry subdivision, Australia, 1992-93 | 65 |

RELATIVE STANDARD ERRORS

| | | | |
|-------|-----------|--|----|
| Table | 22 | Relative standard errors for selected data items by industry subdivision, Australia, 1992-93 | 66 |
|-------|-----------|--|----|

APPENDIX

| | | | |
|--|--|--|----|
| | | Manufacturing establishments: Selected operational statistics by industry class, Australia, 1989-90 to 1991-92 | 67 |
|--|--|--|----|

EXPLANATORY NOTES

75

GLOSSARY

81

INQUIRIES

- *for further information about statistics in this publication and the availability of related unpublished statistics, contact Jeffrey Middleton on Sydney (02) 268 4541 or any other ABS office.*
 - *for information about other ABS statistics and services please refer to the back page of this publication.*
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INTRODUCTION

ABOUT THIS ISSUE

This publication contains detailed industry statistics compiled from a survey of manufacturing management units and 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 which was published in *Manufacturing Industry, Australia, 1992-93, Preliminary* (8201.0), released on 25 August 1994. All previous manufacturing collections were conducted on a census basis.

For the 1992-93 manufacturing collection, a sample of approximately 21,000 manufacturing businesses 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 additional data to provide a more complete picture of the manufacturing industry. This includes information on gross domestic product at average 1989-90 prices and persons employed for all Australian industries (Tables 1 and 2), gross product at factor cost (average 1989-90 prices) (Table 3), current and capital expenditure on environmental protection (Table 10) and details of exports emanating from the manufacturing industry (Tables 11 and 12).

New manufacturing management unit data

This publication contains for the first time data in respect of manufacturing management units. These data are presented in Tables 17 to 21 (inclusive). This includes information on industry gross product (Table 17), operating profit before tax (Table 18), net worth (Table 19), industry performance ratios (Table 20) and sources of funds for capital expenditure (Table 21).

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. It also presents finer level detail than was issued in the publication *Manufacturing Industry, Australia, 1992-93, Preliminary* (8201.0), which presented ANZSIC based data for the first time. 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 14 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 industry gross product (at average 1989-90 prices) are contained in Table 3 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 Australia for 1992-93, where establishment value added amounted to \$66.2 billion while establishment industry gross product amounted to \$49.9 billion. Estimates for 1992-93 of 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 Australian manufacturing is approximately 2 per cent for 1992-93 turnover and 5 per cent 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 iv) or by reference to paragraphs 13 and 14 of the Explanatory Notes to the 1993-94 issue of *Manufacturing Industry, Australia, Preliminary* (8201.0).

STATE DATA

More detailed manufacturing industry statistics for each State and the Northern Territory will be released shortly in a series of publications (8221.1 to 8221.7). These publications will contain a range of data items generally at the industry class level.

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 iv for contact details.

SUMMARY OF FINDINGS

Overview Turnover for the year 1992-93 by manufacturing establishments operating in Australia was \$169 925m. This represents a 2.8% increase, in current price terms, from \$165 317m turnover recorded for the year 1991-92. In constant price terms, manufacturing gross product increased by 0.9% in 1992-93 from 1991-92. Manufacturing employment at the end of June 1993 was 881 700, some 1.6% lower than 12 months earlier.

PART A. MANUFACTURING ESTABLISHMENT DATA

The commentary in Part A relates to establishment data only (refer to paragraph 9 of the Explanatory Notes).

Gross product at factor cost (average 1989-90 prices) (Table 3)

Constant price estimates of gross product at factor cost are the most accurate measure of the relative growth or decline of the manufacturing industry, as they discount the impact of price changes. In constant price terms, manufacturing gross product increased by 0.9% from \$53 750m in 1991-92 to \$54 245m in 1992-93.

Six of the nine industry subdivisions recorded an increase in constant price estimates of gross product at factor cost over the period 1991-92 to 1992-93 and three recorded a decrease. The largest percentage increase was recorded by Non-metallic mineral product manufacturing (up 9.8%), followed by Wood and paper product manufacturing (up 5.7%) and Printing, publishing and recorded media (up 5.2%). The largest percentage decrease over this period was recorded by Textile, clothing, footwear and leather manufacturing (down 4.8%), followed by Metal product manufacturing (down 3.3%).

In 1992-93, Machinery and equipment manufacturing was the largest contributor to these estimates, accounting for 20.5%, followed by Metal product manufacturing (19.6%) and Food, beverage and tobacco manufacturing (18.8%). The smallest contributor was Other manufacturing (2.7%), followed by Textile, clothing, footwear and leather manufacturing (5.3%) and Non-metallic mineral product manufacturing (5.3%).

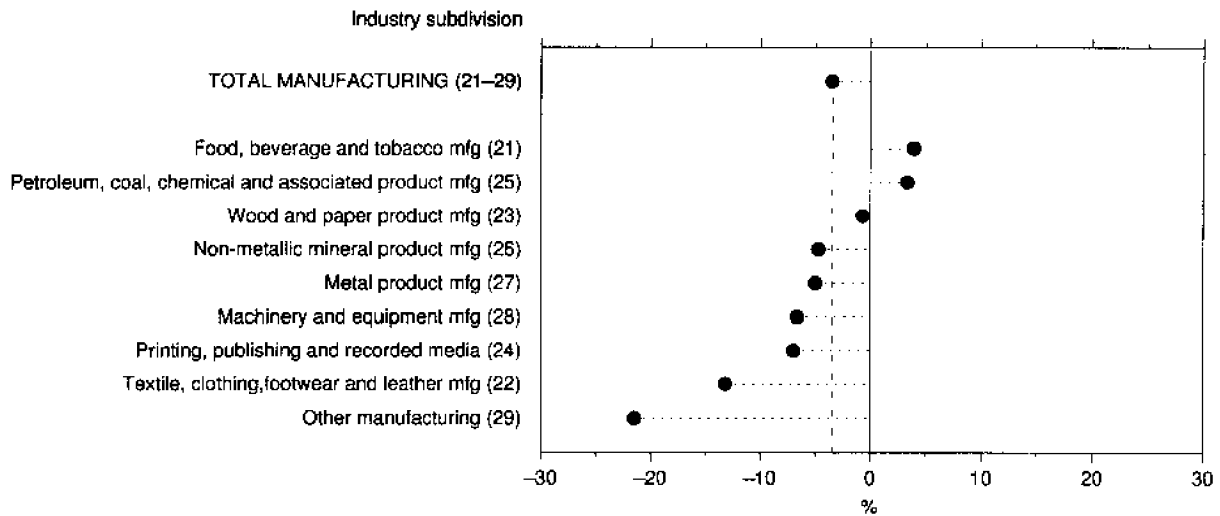
Longer term trends (1989-90 to 1992-93)

Over the four year period 1989-90 to 1992-93, manufacturing gross product in constant price terms decreased by 3.5%. Seven industry subdivisions recorded a decrease and two recorded an increase in constant price estimates of gross product at factor cost over this four year period.

The largest percentage decreases were recorded by: Other manufacturing (down 21.5% from \$1 836.3m to \$1 441.4m); Textile, clothing, footwear and leather manufacturing (down 13.2% from \$3 283.0m to \$2 848.6m); and Printing, publishing and recorded media (down 7.0% from \$3 989.1m to \$3 709.2m).

Food, beverage and tobacco manufacturing (up 3.9% from \$9 843.4m to \$10 223.0m) and Petroleum, coal, chemical and associated product manufacturing (up 3.3% from \$8 052.7m to \$8 320.8m) recorded the increases.

**PERCENTAGE CHANGE OF GROSS PRODUCT AT FACTOR COST
(AVERAGE 1989-90 PRICES) BY INDUSTRY SUBDIVISION,
AUSTRALIA, 1989-90 TO 1992-93**



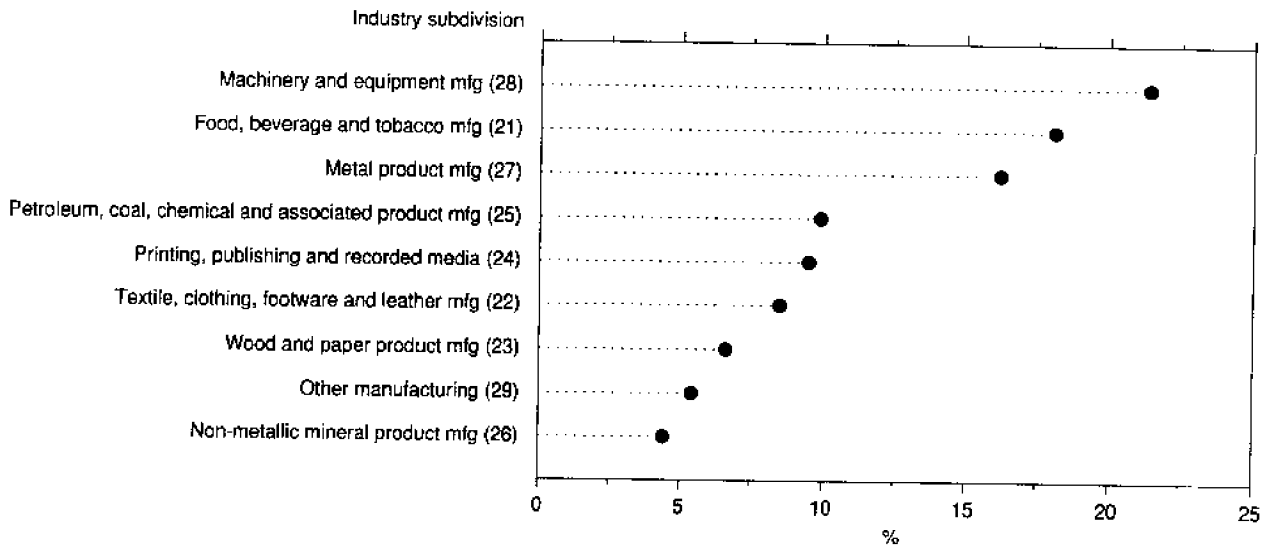
Employment
(Tables 2, 4, 5, 7
and Appendix)

Table 2 presents a time series of employment data for all industries. This series is derived from the ABS Labour Force Surveys. In 1984-85, manufacturing employment accounted for 15.8% of employment for all industries, making it then the largest employing industry, followed by Retail trade (13.4%). By 1987-88, the manufacturing employment percentage share had dropped to 14.8% and it declined further in 1991-92 to 11.9%, which was the percentage share it also held in 1992-93. Manufacturing in 1992-93 was the second largest employing industry behind Retail trade (14.5%).

Information obtained in the 1992-93 Manufacturing Survey showed that Machinery and equipment manufacturing (21.4%), Food, beverage and tobacco manufacturing (18.1%) and Metal product manufacturing (16.2%) were the major contributors to employment in the manufacturing industry at the end of June 1993. Non-metallic mineral product manufacturing (4.4%) and Other manufacturing (5.4%) were the smallest contributors.

Manufacturing employment decreased by 1.6% between June 1992 and June 1993. Seven of the nine industry subdivisions recorded decreases in the level of employment over this period. Textile, clothing, footwear and leather manufacturing (down 5.0% from 79 200 persons to 75 200 persons) and Metal product manufacturing (down 2.4% from 146 700 persons to 143 100 persons) recorded the largest percentage decreases. The two industry subdivisions to record an increase in employment were Printing, publishing and recorded media (up 1.3% from 83 100 persons to 84 100 persons) and Non-metallic mineral product manufacturing (up 0.3% from 38 300 persons to 38 400 persons).

DISTRIBUTION OF EMPLOYMENT, AUSTRALIA, JUNE 1993

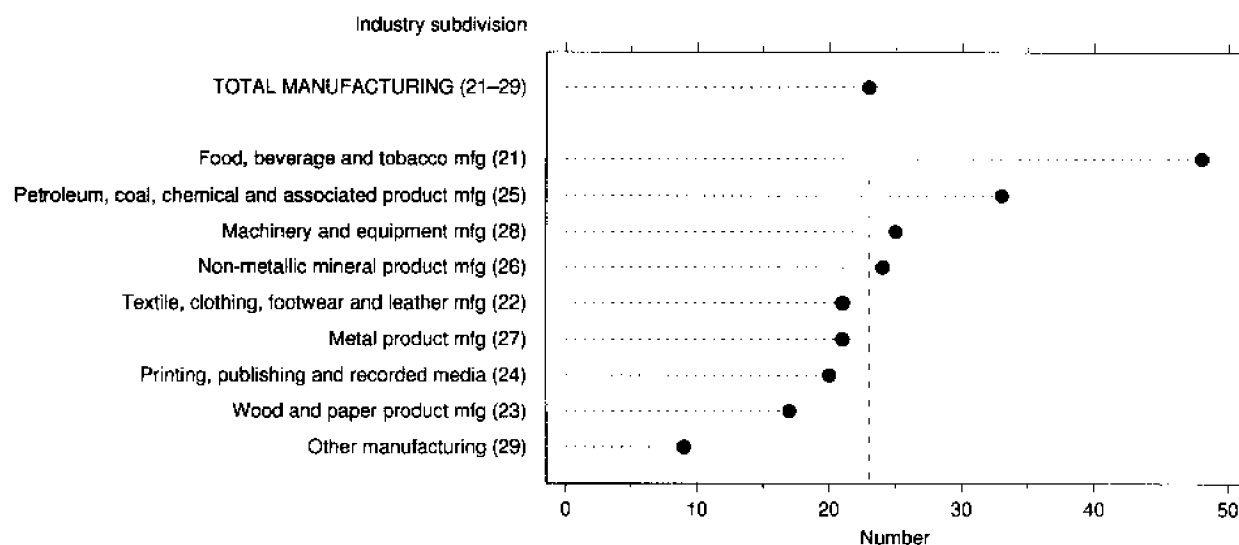


As in previous years, New South Wales and Victoria were the major contributors to employment in the manufacturing industry in 1992-93. New South Wales accounted for 33.7% of Australian manufacturing employment, with the corresponding figure for Victoria being 32.2%. These are both small decreases on the percentage contributions recorded 12 months earlier (a decrease of 0.4 percentage points for both States).

On average, manufacturing establishments in Australia employed 23 persons at the end of June 1993, which reverses the decline evident since June 1990 (when the average was 25 persons employed per establishment). The average increased by 1 person over the period June 1992 to June 1993. From 1989-90 to 1992-93, the ratio of value added per person employed at the end of June had grown from \$68 300 to \$75 000. In 1989-90, the average turnover per person employed at the end of June for all manufacturing establishments was \$162 800 but, by 1992-93, had risen to \$192 700, a growth of 18.4%. This is well above the 1.7% increase in turnover and indicates productivity growth.

As the following chart shows, the average number of persons employed per establishment varied greatly across industry subdivisions, ranging from 9 persons for Other manufacturing to 48 persons for Food, beverage and tobacco manufacturing.

PERSONS EMPLOYED PER ESTABLISHMENT, AUSTRALIA, 1992-93



Petroleum, coal, chemical and associated product manufacturing comprised a substantially larger share of turnover than of employment, which resulted in this subdivision recording a substantially higher value of turnover per person employed (\$315 100) than other subdivisions in the manufacturing industry. Other manufacturing recorded the lowest value for this ratio (\$100 200). Turnover per person employed for total manufacturing in 1992-93 was \$192 700. Various factors affect the magnitude of turnover per person employed. In general, industries which are labour intensive will record lower values of turnover per person employed than will those industries which are capital intensive. This ratio may also be influenced by commodity prices.

Longer term trends (June 1990 to June 1993)

Employment in the Australian manufacturing industry decreased by 144 300 persons (down 14.1% from 1 026 000 persons to 881 700 persons) over the period June 1990 to June 1993. All industry subdivisions recorded decreases over this period, with Textile, clothing, footwear and leather manufacturing (down 24.9% from 100 100 persons to 75 200 persons), Machinery and equipment manufacturing (down 20.5% from 236 900 persons to 188 400 persons) (see paragraph 17 of the Explanatory Notes for comparability of these data over time) and Other manufacturing (down 17.7% from 58 200 persons to 47 900 persons) recording the largest percentage decreases.

All States and the Northern Territory recorded decreases in manufacturing employment between June 1990 and June 1993. The Australian Capital Territory recorded the only increase in employment (up 4.0% from 3 700 persons to 3 900 persons) between June 1990 and June 1993. The largest decrease in both absolute and percentage terms was recorded by Victoria, where employment decreased by 66 800 persons (down 19.1% from 350 900 persons to 284 000 persons). Large decreases were also recorded by: Tasmania (down 17.1% from 26 200 persons to 21 700 persons); South Australia (down 14.4% from 98 200 persons to 84 100 persons); and New South Wales (down 13.8% from 344 900 persons to 297 100 persons). The other decreases were: Western Australia (down 9.7% from 68 800 persons to 62 100 persons); the Northern Territory (down 7.4% from 3 000 persons to 2 700 persons); and Queensland (down 3.3% from 130 400 persons to 126 000 persons).

The percentage contribution by Victoria to Australian manufacturing employment has declined since June 1990, decreasing by 2.0 percentage points to 32.2%. Queensland increased its percentage share of employment over this period (up 1.6 percentage points to 14.3%), as did Western Australia (up 0.3 percentage points to 7.0%). New South Wales marginally increased its percentage contribution (up 0.1 percentage points to 33.7%) while the other States and both Territories showed little or no change over this period.

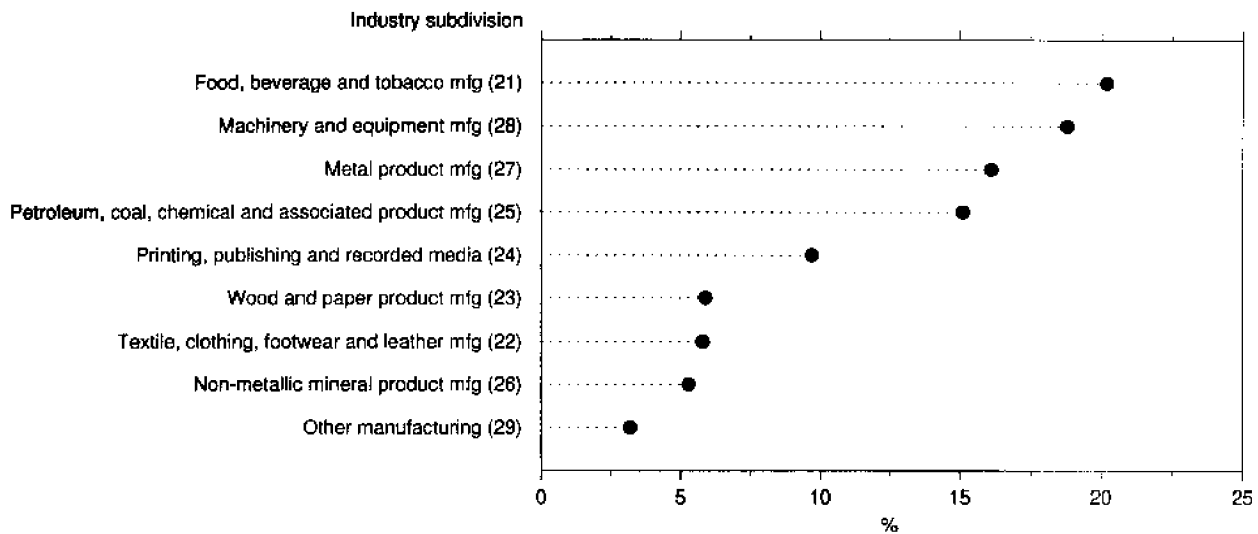
Average employment Average employment throughout the whole year in 1992-93 for the manufacturing industry was 884 400 persons which is some 2 600 more employed persons than was recorded at the end of June 1993.

Value added (Table 5 and Appendix) In 1992-93, the industry subdivisions contributing the largest proportions to total value added and the most notable industry classes within those as a percentage of total value added were:

- Food, beverage and tobacco manufacturing (20.2%), where the industry classes Meat processing (ANZSIC class 2111 — 2.6%) and Beer and malt manufacturing (ANZSIC class 2182 — 1.9%) were the most substantial.
- Machinery and equipment manufacturing (18.8%), where the industry classes Motor vehicle manufacturing (ANZSIC class 2811 — 2.4%) and Automotive component manufacturing n.e.c. (ANZSIC class 2819 — 1.6%) were the most substantial.
- Metal product manufacturing (16.1%), where the industry class Basic iron and steel manufacturing (ANZSIC class 2711 — 3.4%) was the most substantial.
- Petroleum, coal, chemical and associated product manufacturing (15.1%), where the industry classes Petroleum refining (ANZSIC class 2510 — 2.4%) and Medicinal and pharmaceutical product manufacturing (ANZSIC class 2543 — 2.1%) were the most substantial.

Industry classes making a notable contribution to total value added and not included in the subdivisions listed above included Newspaper printing or publishing (ANZSIC class 2421 — 3.6%) and Printing (ANZSIC class 2412 — 2.6%).

**DISTRIBUTION OF VALUE ADDED BY INDUSTRY SUBDIVISION, AUSTRALIA,
1992-93**



*Longer term trends
(1989-90 to 1992-93)*

Value added for the manufacturing industry decreased by 5.6% over the period 1989-90 to 1992-93. Six industry subdivisions recorded decreases and three recorded increases. Metal product manufacturing (down 18.9% from \$13 099.9m to \$10 627.9m), Machinery and equipment manufacturing (down 14.9% from \$14 620.6m to \$12 438.4m) and Other manufacturing (down 12.5% from \$2 385.3m to \$2 088.0m) showed the largest percentage decreases over the period. The largest percentage increases were recorded in Printing, publishing and recorded media (up 8.3% from \$5 922.8m to \$6 413.7m) and Food, beverage and tobacco manufacturing (up 7.7% from \$12 406.5m to \$13 359.0m).

New South Wales was the only State or Territory to substantially increase its share of Australian value added since 1989-90. Victoria and both Territories marginally increased their share. New South Wales increased its percentage contribution by 2.3 percentage points to 36.2%. Of the States to show a decrease, Western Australia (down 1.0 percentage points to 7.3%) and South Australia (down 0.9 percentage points to 8.8%) recorded the most significant decreases.

Ratio of wages and salaries to value added (Table 6)

In 1992-93, the ratio of wages and salaries to value added for Australia's manufacturing industry was 0.41; that is, it required 41 cents paid in wages and salaries to produce \$1.00 of value added. This was an increase from the ratio of 0.39 measured in 1989-90.

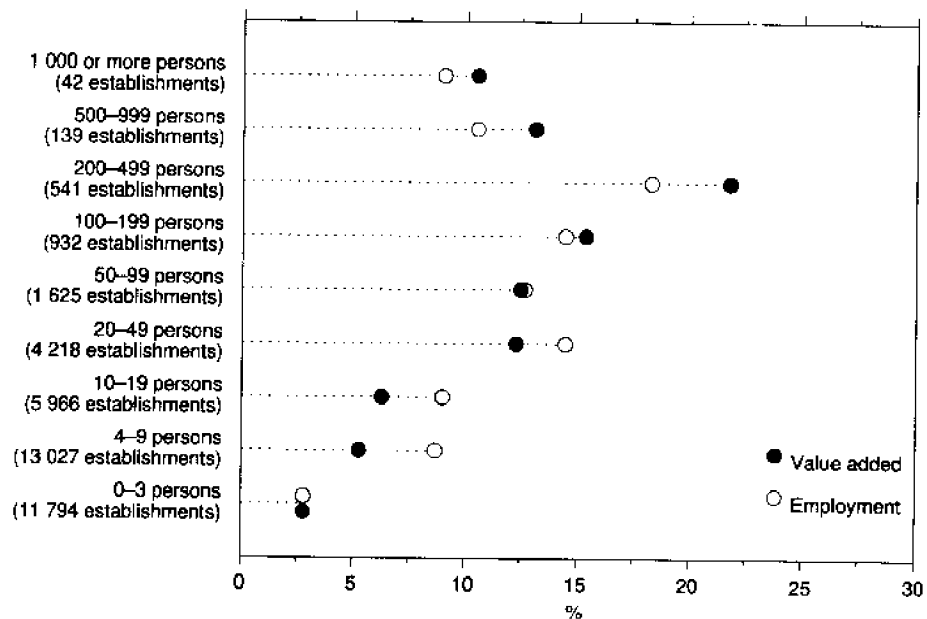
The wages and salaries to value added ratio increased in six of the nine industry subdivisions between 1989-90 and 1992-93, with the largest rises being recorded by Metal product manufacturing (up from 0.37 to 0.45) and Machinery and equipment manufacturing (0.44 to 0.48). The only decrease occurred in Textile, clothing, footwear and leather manufacturing (down from 0.51 to 0.48), whilst Wood and paper product manufacturing (0.44) and Other manufacturing (0.53) remained steady.

The largest ratios of wages and salaries to value added in 1992–93 were recorded in Aircraft manufacturing (ANZSIC class 2824)(0.73) and Food processing machinery (ANZSIC class 2863)(0.67). The smallest ratios of wages and salaries to value added were recorded in Recorded media manufacturing and publishing (ANZSIC class 2430)(0.07) and Petroleum refining (ANZSIC class 2510)(0.15).

Employment size (Table 8)

Of the 38 285 manufacturing establishments operating at 30 June 1993, 1 654 were large establishments (employing 100 or more persons). While making up only 4.3% of all establishments, they accounted for 60.8% of manufacturing value added for 1992–93 and 52.2% of employment at the end of June 1993. Although establishments employing 0–19 persons comprised 80.4% of manufacturing establishments in Australia at 30 June 1993, they accounted for only 14.4% of value added and 20.6% of employment. There were 42 manufacturing establishments employing 1 000 or more persons at the end of June 1993. They employed 9.0% of all persons working in the manufacturing industry in Australia and contributed 10.5% of all manufacturing value added.

DISTRIBUTION OF MANUFACTURING VALUE ADDED AND EMPLOYMENT AT THE END OF JUNE BY EMPLOYMENT SIZE, AUSTRALIA, 1992–93



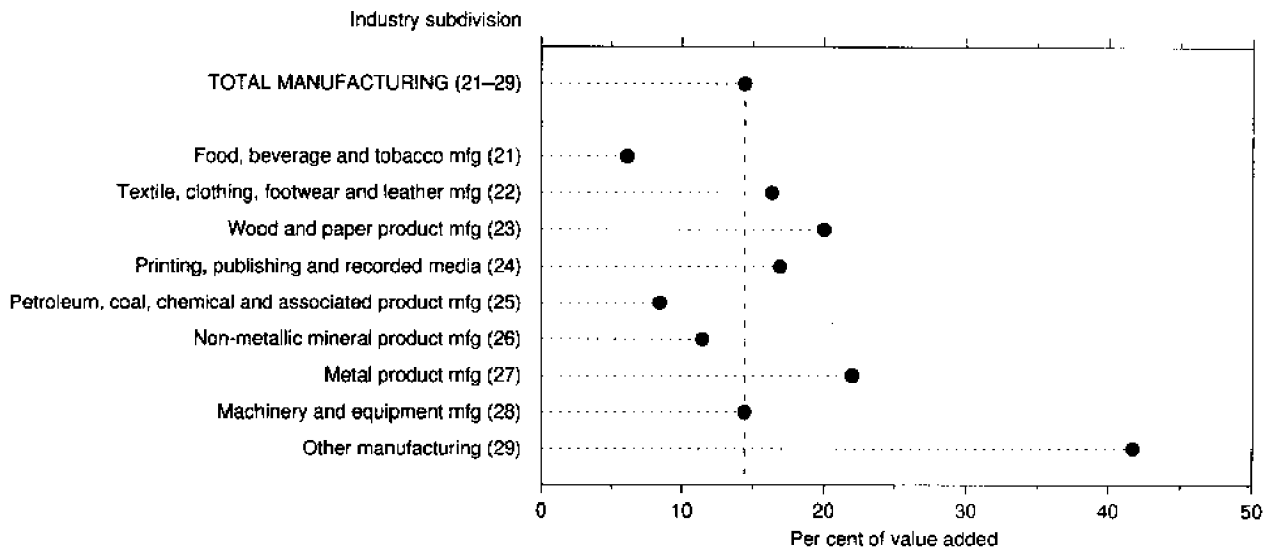
For 1992–93, the percentage distribution of value added by employment size for the manufacturing industry was:

| | | |
|---------------------|---|-------|
| 0–19 persons | — | 14.4% |
| 20–99 persons | — | 24.8% |
| 100 or more persons | — | 60.8% |

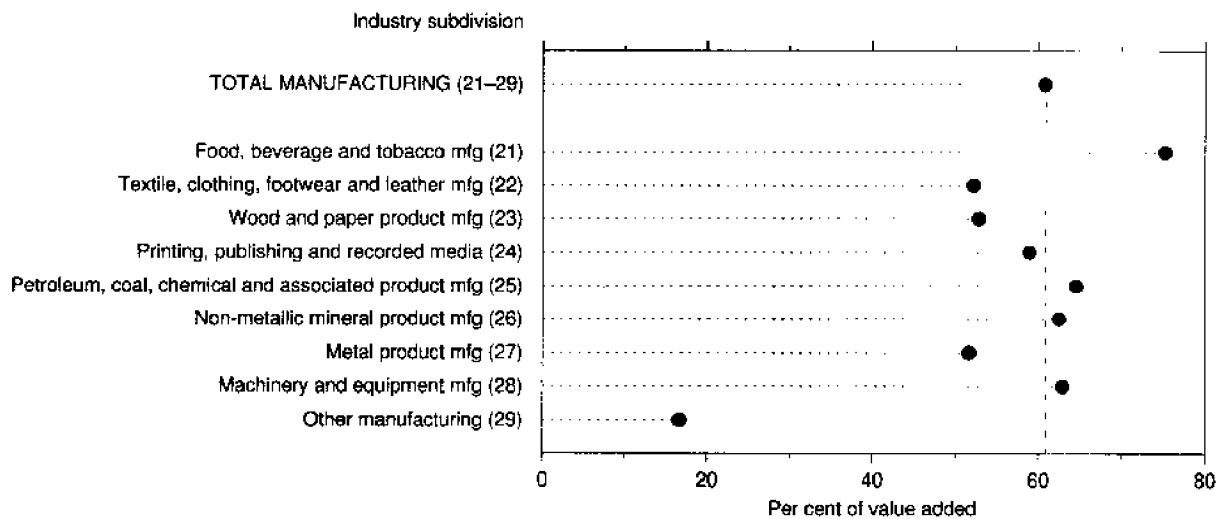
For eight of the nine industry subdivisions, more than 50% of value added was contributed by large establishments (employing 100 or more persons). The industries where large establishments contributed most to value added were the Food, beverage and tobacco manufacturing (75.2%) and Petroleum, coal, chemical and associated product manufacturing (64.6%). Small establishments (employing 0–19 persons) made relatively significant contributions to value added for Other manufacturing (41.7%) and Metal product manufacturing (22.0%).

DISTRIBUTION OF VALUE ADDED BY EMPLOYMENT SIZE AND INDUSTRY SUBDIVISION, AUSTRALIA, 1992–93

0–19 PERSONS

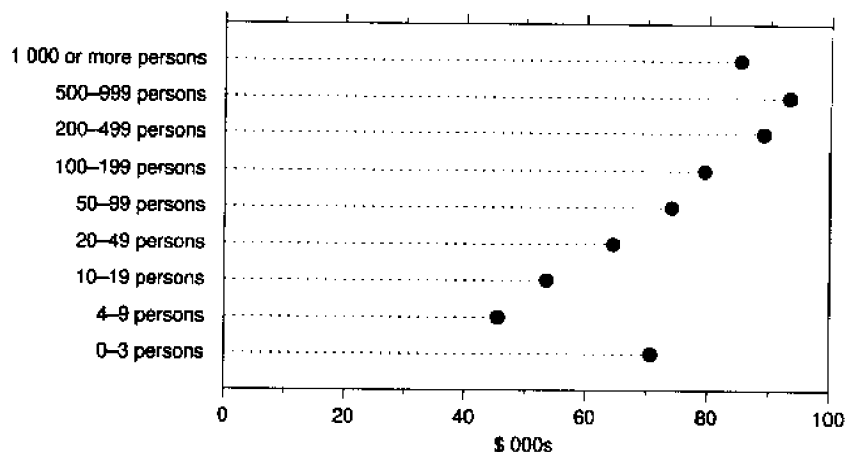


100 OR MORE PERSONS



Small establishments (employing 0–19 persons) displayed a much lower ratio of value added per person employed (based on average employment over the whole of 1992–93) (\$52 600) than establishments in the larger size categories. Large establishments (employing 100 or more persons) recorded an average value added per person employed of \$86 600, with establishments employing between 500 and 999 persons having a ratio of \$93 300. It should be remembered that the data include all manufacturing industries and that different patterns may emerge through analysis of individual industries.

VALUE ADDED PER PERSON EMPLOYED¹ BY EMPLOYMENT SIZE, AUSTRALIA, 1992–93

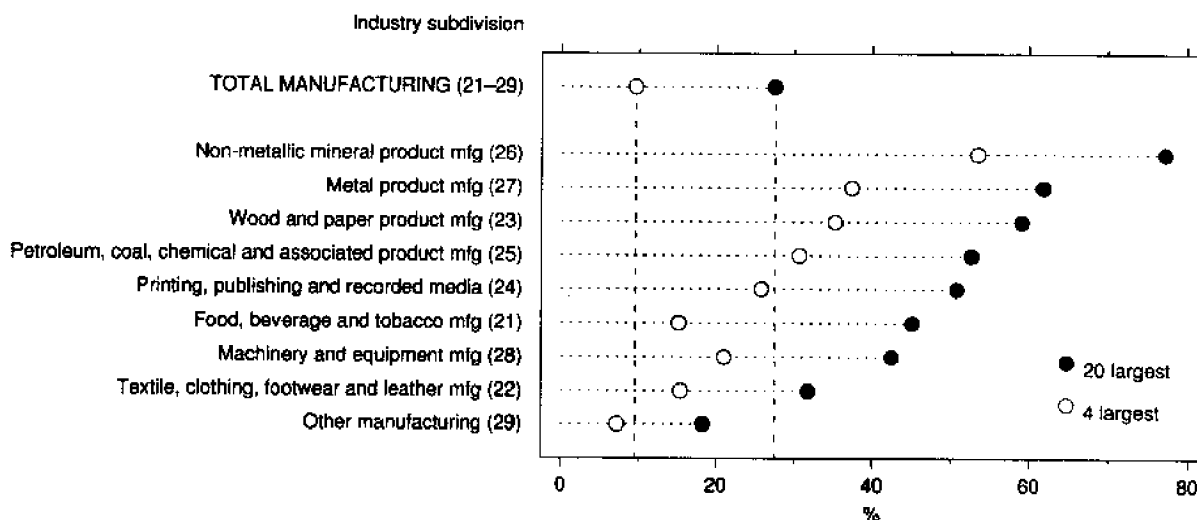


¹Based on average employment over whole year.

Concentration statistics (Table 9)

The 38 285 manufacturing establishments operating in Australia at 30 June 1993 represented 35 268 individual enterprise groups. The 20 largest enterprise groups involved in manufacturing accounted for 27.5% of total manufacturing turnover and 15.9% of total manufacturing employment. The four largest enterprise groups contributed 9.6% of total turnover and employed 4.9% of all persons working in the manufacturing industry.

CONTRIBUTION TO INDUSTRY SUBDIVISION TURNOVER BY THE 4 LARGEST AND THE 20 LARGEST ENTERPRISE GROUPS (WITHIN INDIVIDUAL SUBDIVISIONS), AUSTRALIA, 1992–93



Environmental protection
(Table 10)

*Expenditure on
Environmental Protection*

All manufacturers were asked to provide information on their total current and capital expenditure related to environmental protection, broken down by the following categories:

- Current expenditure on waste management and environmental protection in respect of:
 - (i) Government and council fees, charges and taxes relating to pollution abatement and control;
 - (ii) Other current expenditure on environmental protection.
- Capital expenditure by individual businesses for new plant, machinery or equipment designed to abate or control pollution through:
 - (i) end-of-line techniques; and
 - (ii) change-in-production processes.

In 1992-93, total current expenditure by manufacturing establishments on environmental protection was \$608.9m. This amounts to 0.4% of the total manufacturing industry turnover for the year. Of the total current expenditure on environmental protection, well over a third (39.2%) was spent by manufacturers in the Metal product manufacturing subdivision (\$238.7m).

At the ANZSIC class level, the highest amount of current expenditure on environmental protection in 1992-93 was \$121.7m spent by the Basic iron and steel manufacturing (ANZSIC class 2711) industry, followed by \$35.6m spent by the Alumina production (ANZSIC class 2721) industry, \$26.2m spent by the Copper, silver, lead and zinc smelting, refining (ANZSIC class 2723) industry and \$24.0m spent by the Fruit and vegetable processing (ANZSIC class 2130) industry. These amounts relative to total turnover in each industry were 1.6%, 1.4%, 1.1% and 1.0% respectively. The ratio of current expenditure on environmental protection to turnover was highest in Clothing manufacturing n.e.c. (3.1%). In most of the remaining industries the ratio was less than 1.0%.

In 1992-93, reported total capital expenditure by manufacturers to abate pollution was \$421.6m. Of this total expenditure, 75.6% was spent by manufacturers in the same two industry subdivisions that had the highest current expenditure — Metal product manufacturing (\$210.2m) and Petroleum, coal, chemical and associated product manufacturing (\$108.7m).

At the ANZSIC class level, the largest amount of capital expenditure in 1992-93 to abate pollution occurred in the Petroleum refining industry (ANZSIC class 2510), where \$68.6m was spent. Other industries with a relatively large capital expenditure on pollution abatement were: Aluminium smelting (ANZSIC class 2722) (\$57.1m); Alumina production (ANZSIC class 2721) (\$56.4m); and Basic iron and steel manufacturing (ANZSIC class 2711) (\$45.9m).

Manufacturing Exports (Tables 11 and 12) The percentage of goods produced in the manufacturing industry which were subsequently exported during 1992-93 was 12.0%. The Metal product manufacturing industry subdivision recorded the highest percentage contribution with 20.4%, followed by Food, beverage and tobacco manufacturing (16.6%). The industry subdivision to record the smallest percentage contribution was Non-metallic mineral product manufacturing with 1.7%, followed by Other manufacturing (1.8%).

The percentage of goods produced in the manufacturing industry which were subsequently exported varied according to employment size. Establishments employing 100 or more persons recorded the highest contribution with 15.0%. The percentage decreased the smaller the employment size range with establishments employing 50-99 persons recording 9.2% and establishments employing 0-49 persons 5.7%.

Establishments that export made up a significant proportion of employment (40.4%), wages and salaries (44.9%), turnover (51.6%) and value added (49.2%) in the manufacturing industry. Establishments that export more than 50% of their production accounted for 5.9% of employment and 9.0% of turnover in the manufacturing industry.

'Value added' expenses, components of purchases, transfers in and selected expenses (Table 14)

Purchases and transfers in comprised 87.3% of the total 'value added' expenses (contributing \$90 720.9m of the total \$103 978.0m). The percentage contributions of the other expense items were: Outward freight and cartage 3.7%; Repair and maintenance expenses 3.4%; Contract, subcontract and commission expenses 3.0%; Rent, leasing and hiring expenses 1.5%; and Motor vehicle running expenses 1.1%.

Capital expenditure (Table 16)

Capital expenditure in the manufacturing industry in 1992-93 was \$9 435.0m. This represented 5.6% of turnover recorded over the same period. Capital expenditure on Plant, machinery and equipment contributed 85.6% of the total capital expenditure. The Machinery and equipment manufacturing industry subdivision was the largest contributor to total capital expenditure with \$2 339.6m. Other manufacturing was the smallest contributor with \$94.0m.

Disposal of assets recorded in 1992-93 was \$859.9m, with disposals of plant, machinery and equipment accounting for 81.8% of this figure. The largest contributor to total disposal of assets was the Metal product manufacturing industry subdivision with \$175.9m, whilst the smallest contributor was the Other manufacturing industry subdivision with \$22.1m.

**PART B. MANUFACTURING
MANAGEMENT UNIT DATA**

The commentary in Part B relates to management unit data (refer to paragraph 8 of the explanatory notes).

Gross Domestic Product at
average 1989-90 prices
(Table 1)

The total gross domestic product (GDP) at average 1989-90 prices for 1992-93 for all industries was \$376 476m. The manufacturing industry share of this figure was \$56 191m (14.9%), the largest contributor to GDP. Longer term trends show that the manufacturing share of GDP at average 1989-90 prices had been declining since the early 1980s before making a marginal percentage increase in 1992-93. In 1982-83, its share was 17.0%; by 1987-88 this had fallen to 16.1% and by 1991-92 it had fallen further to 14.8%, before slightly increasing to 14.9% in 1992-93.

The industries which have significantly increased their share of GDP at average 1989-90 prices over this period were Property and business services, Communication services and Mining.

Industry Gross Product
(Table 17)

Industry gross product (IGP) recorded in the manufacturing industry for 1992-93 was \$51 300.1m. The industry subdivisions that recorded the largest value of IGP were: Food, beverage and tobacco manufacturing (\$10 145.4m); Machinery and equipment manufacturing (\$9 621.8m); and Metal product manufacturing (\$8 026.5m). The industry subdivisions that recorded the smallest value of IGP were Other manufacturing (\$1 613.2m) and Textile, clothing, footwear and leather manufacturing (\$2 828.7m).

Profits (Table 18)

The total operating profit before tax recorded by manufacturing management units in 1992-93 was \$11 466.9m, derived from total sales of goods and services of \$169 399.2m.

Assets and liabilities (Table 19)

The total value of assets recorded by manufacturing management units in 1992-93 was \$140 749.1m. The largest component was non-current assets with \$80 878.2m. The largest contributors in percentage terms to total value of assets were Food, beverage and tobacco manufacturing and Metal product manufacturing, both contributing 19.4%.

The total value of liabilities recorded by manufacturing management units in 1992-93 was \$79 993.3m. The largest component was current liabilities with \$50 475.5m. The largest contributor in percentage terms to total liabilities was the Food, beverage and tobacco manufacturing industry subdivision with 20.9% followed by Metal product manufacturing (18.0%) and Petroleum, coal, chemical and associated product manufacturing (16.7%).

The net worth of manufacturing management units in 1992-93 was reported at \$60 755.8m. The Metal product manufacturing industry subdivision recorded the largest net worth in absolute terms (\$12 927.8m), followed by Food, beverage and tobacco manufacturing (\$10 600.8m).

Performance ratios (Table 20) A number of performance ratios are presented in Table 20. A summary of the major ratios are as follows.

The Operating profit margin of a business represents that percentage of its sales of goods and services which becomes operating profit after all operating expenses have been deducted. Printing, publishing and recorded media (10.4%) had the highest operating profit margin, followed by Non-metallic mineral product manufacturing (9.9%). The industry subdivision with the lowest operating profit margin was Metal product manufacturing (4.7%), followed by Machinery and equipment manufacturing (5.5%).

The return on assets of a business indicates how effectively the business has used its assets to generate profits by expressing profits as a percentage of total assets. Seven of the nine industry subdivisions recorded percentages between 8.3% and 11.0%. The two industry subdivisions to fall below this range were Metal product manufacturing (4.8%) and Printing, publishing and recorded media (7.1%).

The return on net worth of a business is an indicator of percentage return available for distribution to shareholders' funds. The highest return on net worth was recorded in Other manufacturing with 32.6%, followed by Food, beverage and tobacco manufacturing (28.0%). The lowest return was recorded in Metal Product manufacturing (10.1%), followed by Printing, publishing and recorded media (13.7%).

Source of funds (Table 21) Of all manufacturing management units, 29.5% indicated that they used Local banks and lending authorities as a source of funds for capital expenditure, while 19.2% used Retained profits and 8.0% used Private loans (including shareholders' loans).

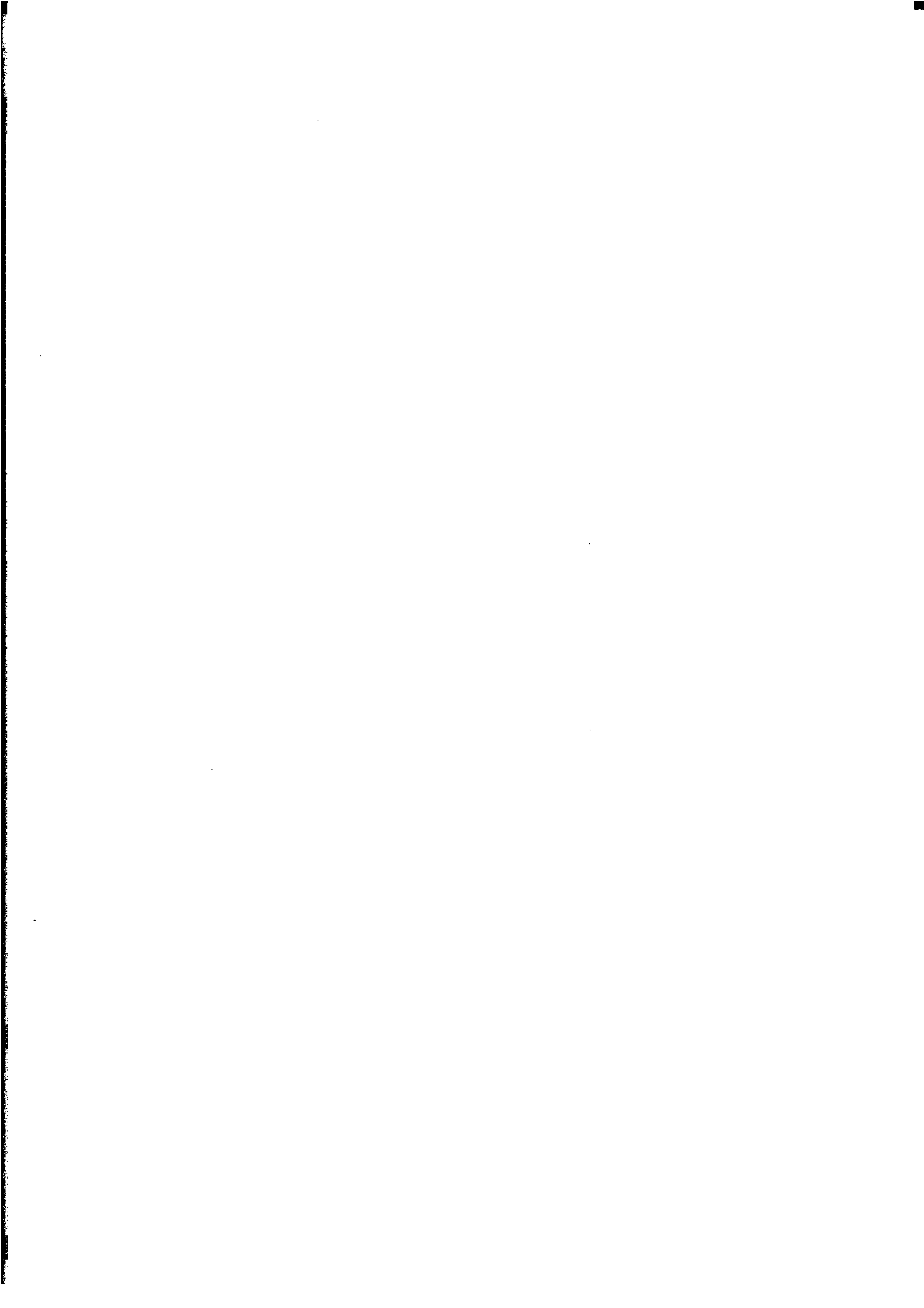


TABLE 1. GROSS DOMESTIC PRODUCT AT AVERAGE 1989-90 PRICES BY INDUSTRY (a), AUSTRALIA, 1982-83 TO 1992-93

| Industry description | 1982-83 | | 1987-88 | | 1991-92 | | 1992-93 | |
|---------------------------------------|----------------|--------------------|----------------|--------------------|----------------|--------------------|----------------|--------------------|
| | Value (\$m) | Proportion (b) (%) | Value (\$m) | Proportion (b) (%) | Value (\$m) | Proportion (b) (%) | Value (\$m) | Proportion (b) (%) |
| Agriculture, forestry and fishing | 9,835 | 3.6 | 13,674 | 4.0 | 15,097 | 4.1 | 15,897 | 4.2 |
| Mining | 9,781 | 3.6 | 14,151 | 4.2 | 16,800 | 4.6 | 16,999 | 4.5 |
| Manufacturing | 46,141 | 17.0 | 54,251 | 16.1 | 53,956 | 14.8 | 56,191 | 14.9 |
| Electricity, gas and water supply | 9,009 | 3.3 | 11,110 | 3.3 | 12,651 | 3.5 | 12,935 | 3.4 |
| Construction | 20,009 | 7.4 | 24,071 | 7.1 | 22,786 | 6.2 | 23,462 | 6.2 |
| Wholesale trade | 29,203 | 10.8 | 34,020 | 10.1 | 33,851 | 9.3 | 34,011 | 9.0 |
| Retail trade | 22,171 | 8.2 | 24,956 | 7.4 | 27,720 | 7.6 | 28,189 | 7.5 |
| Accommodation, cafes and restaurants | 5,190 | 1.9 | 6,229 | 1.8 | 6,929 | 1.9 | 6,797 | 1.8 |
| Transport and storage | 13,779 | 5.1 | 18,003 | 5.3 | 20,373 | 5.6 | 20,592 | 5.5 |
| Communication services | 4,873 | 1.8 | 7,054 | 2.1 | 9,587 | 2.6 | 10,871 | 2.9 |
| Finance and insurance | 12,868 | 4.7 | 17,370 | 5.1 | 17,747 | 4.9 | 16,717 | 4.4 |
| Property and business services | 19,309 | 7.1 | 27,310 | 8.1 | 29,523 | 8.1 | 31,619 | 8.4 |
| Government administration and defence | 10,036 | 3.7 | 13,018 | 3.9 | 14,724 | 4.0 | 15,020 | 4.0 |
| Education | 12,406 | 4.6 | 15,367 | 4.5 | 17,066 | 4.7 | 18,384 | 4.9 |
| Health and community services | 13,600 | 5.0 | 17,176 | 5.1 | 20,453 | 5.6 | 20,786 | 5.5 |
| Cultural and recreational services | 5,426 | 2.0 | 6,763 | 2.0 | 7,362 | 2.0 | 7,687 | 2.0 |
| Personal and other services | 4,851 | 1.8 | 5,630 | 1.7 | 6,273 | 1.7 | 6,372 | 1.7 |
| Ownership of dwellings | 27,990 | 10.3 | 32,279 | 9.6 | 36,641 | 10.0 | 37,749 | 10.0 |
| Import duties | 2,398 | 0.9 | 2,986 | 0.9 | 3,904 | 1.1 | 4,268 | 1.1 |
| Less Imputed bank service charge | 6,443 | .. | 7,590 | .. | 8,202 | .. | 8,070 | .. |
| All Industries (GDP(P)) | 271,179 | 100.0 | 337,828 | 100.0 | 365,241 | 100.0 | 376,476 | 100.0 |
| Market sector (c) | 174,843 | 64.5 | 214,005 | 63.3 | 227,472 | 62.3 | 234,415 | 62.3 |
| Non-farm market sector (c) | 164,933 | 60.8 | 200,521 | 59.4 | 212,588 | 58.2 | 218,728 | 58.1 |

Source: 1993-94 National Accounts: National Income, Expenditure and Product (5204.0)

(a) Estimates prior to 1984-85 have been derived by linking estimates for earlier base years to estimates at average 1989-90 prices. The linking has been done separately for components and totals. Consequently, additivity has not been maintained for years prior to 1984-85. (b) Each item calculated as a proportion of "All industries (GDP(P))". That is, additivity is to greater than 100%, because of the effect of the item "Imputed bank service charge" and because of the method of estimation used — see footnote (a).

(c) The Market sector comprises those industries listed in the table *except* the non-market industries, namely: Finance and insurance; Property and business services; Government administration and defence; Education; Health and community services; Personal and other services; and Ownership of dwellings *plus* the Imputed bank service charges related to these industries. The Non-farm market sector relates to the market sector *less* Agriculture, forestry and fishing *plus* the Imputed bank service charges related to this industry.

TABLE 2. PERSONS EMPLOYED BY INDUSTRY (a), AUSTRALIA, 1984-85 TO 1992-93

| Industry description | 1984-85 | | 1987-88 | | 1991-92 | | 1992-93 | |
|---------------------------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|
| | Number ('000) | Proportion (b) (%) | Number ('000) | Proportion (b) (%) | Number ('000) | Proportion (b) (%) | Number ('000) | Proportion (b) (%) |
| Agriculture, forestry and fishing | 402 | 6.0 | 418 | 5.7 | 409 | 5.3 | 405 | 5.3 |
| Mining | 93 | 1.4 | 97 | 1.3 | 90 | 1.2 | 87 | 1.1 |
| Manufacturing | 1,056 | 15.8 | 1,086 | 14.8 | 915 | 11.9 | 915 | 11.9 |
| Electricity, gas and water supply | 139 | 2.1 | 125 | 1.7 | 106 | 1.4 | 98 | 1.3 |
| Construction | 487 | 7.3 | 530 | 7.2 | 536 | 7.0 | 550 | 7.1 |
| Wholesale trade | 405 | 6.1 | 444 | 6.1 | 483 | 6.3 | 481 | 6.2 |
| Retail trade | 896 | 13.4 | 1,028 | 14.0 | 1,100 | 14.3 | 1,115 | 14.5 |
| Accommodation, cafes and restaurants | 223 | 3.3 | 269 | 3.7 | 342 | 4.4 | 336 | 4.4 |
| Transport and storage | 339 | 5.1 | 365 | 5.0 | 371 | 4.8 | 355 | 4.6 |
| Communication services | 132 | 2.0 | 128 | 1.7 | 126 | 1.6 | 111 | 1.4 |
| Finance and insurance | 268 | 4.0 | 332 | 4.5 | 334 | 4.3 | 318 | 4.1 |
| Property and business services | 439 | 6.6 | 525 | 7.2 | 648 | 8.4 | 646 | 8.4 |
| Government administration and defence | 394 | 5.9 | 417 | 5.7 | 418 | 5.4 | 429 | 5.6 |
| Education | 441 | 6.6 | 480 | 6.6 | 531 | 6.9 | 548 | 7.1 |
| Health and community services | 518 | 7.7 | 576 | 7.9 | 661 | 8.6 | 656 | 8.5 |
| Cultural and recreational services | 117 | 1.8 | 140 | 1.9 | 165 | 2.1 | 156 | 2.0 |
| Personal and other services | 222 | 3.3 | 262 | 3.6 | 299 | 3.9 | 304 | 3.9 |
| All Industries | 6,684 | 100.0 | 7,327 | 100.0 | 7,705 | 100.0 | 7,698 | 100.0 |
| Market sector (c) | 4,401 | 65.8 | 4,737 | 64.7 | 4,815 | 62.5 | 4,798 | 62.3 |
| Non-farm market sector (c) | 3,999 | 59.8 | 4,319 | 58.9 | 4,407 | 57.2 | 4,393 | 57.1 |

Source: 1993-94 National Accounts: National Income, Expenditure and Product (5204.0) Note: Estimates of employment have not yet been derived on an ANZSIC basis for years prior to 1984-85.

(a) Average annual estimates are entirely based on the Labour Force Survey except for Manufacturing, the estimates for which are mainly based on establishments' data from the annual manufacturing collection. As a result, the sum of employment in each industry differs from the total shown. Similarly, the figures for Manufacturing in this table may be different to the employment figures in other tables of this publication. (b) Each industry calculated as a proportion of "All industries". That is, additivity may not be to 100%, because of the method of estimation used — see footnote (a). (c) The Market sector comprises those industries listed in the table *except* the non-market industries, namely: Finance and insurance; Property and business services; Government administration and defence; Education; Health and community services; and Personal and other services. The Non-farm market sector relates to the market sector *less* Agriculture, forestry and fishing.

TABLE 3. MANUFACTURING ESTABLISHMENTS (a): GROSS PRODUCT AT FACTOR COST (AVERAGE 1989-90 PRICES)(b) BY INDUSTRY CLASS, AUSTRALIA
1989-90 TO 1992-93

| Industry class ANZSIC code Description | 1989-90 (\$m) | 1990-91 (\$m) | 1991-92 (\$m) | 1992-93 (\$m) | Change between | | Change in gross product per person employed (c) between 1989-90 and 1992-93 (%) |
|--|------------------|------------------|------------------|------------------|----------------------------------|----------------------------------|---|
| | | | | | 1991-92 and 1992-93 (%) | 1989-90 and 1992-93 (%) | |
| FOOD, BEVERAGE AND TOBACCO MFG— | | | | | | | |
| Meat and meat product mfg— | | | | | | | |
| 2111 Meat processing | 1,495.6 | 1,403.3 | 1,377.8 | 1,536.6 | 11.5 | 2.7 | 13.6 |
| 2112 Poultry processing | 356.8 | 375.1 | 412.1 | 497.0 | 20.6 | 39.3 | 36.5 |
| 2113 Bacon, ham and smallgoods mfg | 253.5 | 307.2 | 277.6 | 282.4 | 1.7 | 11.4 | 4.7 |
| 211 Total | 2,105.9 | 2,085.6 | 2,067.5 | 2,316.0 | 12.0 | 10.0 | 16.0 |
| Dairy product mfg— | | | | | | | |
| 2121 Milk and cream processing | 450.5 | 441.0 | 476.7 | 475.0 | -0.4 | 5.4 | 8.7 |
| 2122 Ice cream mfg | 128.3 | 134.1 | 160.4 | 137.6 | -14.2 | 7.2 | 19.8 |
| 2129 Dairy product mfg n.e.c. | 478.5 | 489.4 | 493.8 | 512.1 | 3.7 | 7.0 | 8.4 |
| 212 Total | 1,057.3 | 1,064.5 | 1,130.9 | 1,124.7 | -0.5 | 6.4 | 9.8 |
| 213 Fruit and vegetable processing | 600.4 | 618.3 | 642.8 | 644.0 | 0.2 | 7.3 | 14.5 |
| 214 Oil and fat mfg | 127.2 | 130.7 | 127.3 | 98.4 | -22.7 | -22.6 | -1.1 |
| Flour mill and cereal food mfg— | | | | | | | |
| 2151 Flour mill product mfg | 212.1 | 281.9 | 228.3 | 243.2 | 6.5 | 14.7 | 8.4 |
| 2152 Cereal food and baking mix mfg | 357.1 | 356.3 | 393.3 | 384.9 | -2.1 | 7.8 | 2.4 |
| 215 Total | 569.2 | 638.2 | 621.6 | 628.1 | 1.0 | 10.3 | 4.6 |
| Bakery product mfg— | | | | | | | |
| 2161 Bread mfg | 507.7 | 475.9 | 475.4 | 451.2 | -5.1 | -11.1 | -8.0 |
| 2162 Cake and pastry mfg | 311.2 | 301.8 | 278.8 | 285.8 | 2.5 | -8.2 | 9.9 |
| 2163 Biscuit mfg | 266.5 | 245.0 | 227.0 | 233.9 | 3.0 | -12.2 | 4.7 |
| 216 Total | 1,085.4 | 1,022.7 | 981.2 | 970.9 | -1.0 | -10.5 | -0.1 |
| Other food mfg— | | | | | | | |
| 2171 Sugar mfg | 526.0 | 579.4 | 585.5 | 620.5 | 6.0 | 18.0 | 29.7 |
| 2172 Confectionery mfg | 385.8 | 399.9 | 376.8 | 359.7 | -4.5 | -6.8 | -5.4 |
| 2173 Seafood processing | 255.3 | 278.0 | 269.6 | 254.6 | -5.6 | -0.3 | -1.8 |
| 2174 Prepared animal and bird feed mfg | 336.7 | 360.6 | 340.6 | 392.3 | 15.2 | 16.5 | 23.5 |
| 2179 Food mfg n.e.c. | 592.0 | 607.8 | 585.0 | 550.3 | -5.9 | -7.0 | -6.1 |
| 217 Total | 2,095.8 | 2,225.7 | 2,157.5 | 2,177.4 | 0.9 | 3.9 | 7.2 |

For footnotes see end of table.

TABLE 3. MANUFACTURING ESTABLISHMENTS (a): GROSS PRODUCT AT FACTOR COST (AVERAGE 1989-90 PRICES) (b) BY INDUSTRY CLASS, AUSTRALIA
1989-90 TO 1992-93—continued

| Industry class ANZSIC code | Description | 1989-90 (\$m) | 1990-91 (\$m) | 1991-92 (\$m) | 1992-93 (\$m) | Change between | | Change in gross product per person employed (c) between 1989-90 and 1992-93 (%) |
|---|--|------------------|------------------|------------------|------------------|----------------------------------|----------------------------------|---|
| | | | | | | 1991-92 and 1992-93 (%) | 1989-90 and 1992-93 (%) | |
| Beverage and malt mfg— | | | | | | | | |
| 2181 | Soft drink, cordial and syrup mfg | 405.2 | 478.8 | 421.1 | 433.0 | 2.8 | 6.9 | -5.2 |
| 2182 | Beer and malt mfg | 1,023.1 | 1,069.8 | 1,065.8 | 998.1 | -6.4 | -2.4 | 31.2 |
| 2183 | Wine mfg | 326.8 | 306.5 | 354.4 | 412.5 | 16.4 | 26.2 | 18.5 |
| 2184 | Spirit mfg | 70.7 | 65.8 | 62.8 | 78.6 | 25.2 | 11.2 | 79.5 |
| 218 | Total | 1,825.8 | 1,920.9 | 1,904.1 | 1,922.2 | 1.0 | 5.3 | 10.1 |
| 219 | Tobacco product mfg | 376.4 | 353.7 | 408.8 | 341.3 | -16.5 | -9.3 | -6.4 |
| 21 | Total food, beverage and tobacco mfg | 9,843.4 | 10,060.3 | 10,041.7 | 10,223.0 | 1.8 | 3.9 | 9.6 |
| TEXTILE, CLOTHING, FOOTWEAR AND LEATHER MFG— | | | | | | | | |
| Textile fibre, yarn and woven fabric mfg— | | | | | | | | |
| 2211 | Wool scouring | 58.8 | 68.7 | 83.4 | 87.8 | 5.3 | 49.3 | 30.8 |
| 2212 | Synthetic fibre textile mfg | 254.1 | 239.0 | 232.2 | 244.7 | 5.4 | -3.7 | 15.4 |
| 2213 | Cotton textile mfg | 149.4 | 171.3 | 171.2 | 159.8 | -6.7 | 7.0 | 49.6 |
| 2214 | Wool textile mfg | 125.7 | 106.6 | 103.0 | 101.7 | -1.3 | -19.1 | 9.0 |
| 2215 | Textile finishing | 75.2 | 52.7 | 77.1 | 81.9 | 6.2 | 8.9 | 16.1 |
| 221 | Total | 663.2 | 638.3 | 666.9 | 675.9 | 1.3 | 1.9 | 23.2 |
| Textile product mfg— | | | | | | | | |
| 2221 | Made-up textile product mfg | 162.6 | 241.8 | 181.1 | 173.2 | -4.4 | 6.5 | 20.0 |
| 2222 | Textile floor covering mfg | 238.1 | 228.9 | 218.4 | 188.5 | -13.7 | -20.8 | 1.4 |
| 2223 | Rope, cordage and twine mfg | 22.8 | 28.6 | 27.2 | 32.5 | 19.5 | 42.5 | 25.9 |
| 2229 | Textile product mfg n.e.c. | 152.9 | 165.7 | 110.8 | 88.0 | -20.6 | -42.4 | -2.9 |
| 222 | Total | 576.4 | 665.0 | 537.5 | 482.2 | -10.3 | -16.3 | 4.4 |
| Knitting mills— | | | | | | | | |
| 2231 | Hosiery mfg | 112.4 | 106.5 | 104.8 | 106.6 | 1.7 | -5.2 | 7.2 |
| 2232 | Cardigan and pullover mfg | 84.0 | 63.4 | 51.8 | 42.4 | -18.1 | -49.5 | 11.7 |
| 2239 | Knitting mill product mfg n.e.c. | 212.6 | 149.5 | 144.3 | 139.9 | -3.0 | -34.2 | 34.7 |
| 223 | Total | 409.0 | 319.4 | 300.9 | 288.9 | -4.0 | -29.4 | 21.7 |
| Clothing mfg— | | | | | | | | |
| 2241 | Men's and boys' wear mfg | 531.8 | 432.4 | 356.6 | 318.6 | -10.7 | -40.1 | 20.9 |
| 2242 | Women's and girls' wear mfg | 384.1 | 358.1 | 338.8 | 301.4 | -11.0 | -21.5 | 11.1 |
| 2243 | Sleepwear, underwear and infant clothing mfg | 125.8 | 196.5 | 234.6 | 219.9 | -6.3 | 74.8 | 2.8 |
| 2249 | Clothing mfg n.e.c. | 220.1 | 225.5 | 226.8 | 220.0 | -3.0 | — | 30.8 |
| 224 | Total | 1,261.8 | 1,212.5 | 1,156.8 | 1,059.9 | -8.4 | -16.0 | 19.9 |

For footnotes see end of table.

TABLE 3. MANUFACTURING ESTABLISHMENTS (a): GROSS PRODUCT AT FACTOR COST (AVERAGE 1989-90 PRICES) (b) BY INDUSTRY CLASS, AUSTRALIA
1989-90 TO 1992-93—continued

| Industry class ANZSIC code | Description | 1989-90 (\$m) | 1990-91 (\$m) | 1991-92 (\$m) | 1992-93 (\$m) | Change between | | Change in gross product per person employed (c) between 1989-90 and 1992-93 (%) |
|----------------------------------|---|------------------|------------------|------------------|------------------|----------------------------------|----------------------------------|---|
| | | | | | | 1991-92 and 1992-93 (%) | 1989-90 and 1992-93 (%) | |
| 225 | Footwear mfg | 276.5 | 256.4 | 224.5 | 222.9 | -0.7 | -19.4 | 14.3 |
| | Leather and leather product mfg— | | | | | | | |
| 2261 | Leather tanning and fur dressing | 73.3 | 79.4 | 84.6 | 94.3 | 11.5 | 28.6 | 1.8 |
| 2262 | Leather and leather substitute product mfg | 22.8 | 24.4 | 21.9 | 24.5 | 11.9 | 7.5 | 1.4 |
| 226 | Total | 96.1 | 103.8 | 106.5 | 118.8 | 11.5 | 23.6 | 2.7 |
| 22 | Total textile, clothing, footwear and leather mfg | 3,283.0 | 3,195.4 | 2,993.1 | 2,848.6 | -4.8 | -13.2 | 18.3 |
| | WOOD AND PAPER PRODUCT MFG— | | | | | | | |
| | Log sawmilling and timber dressing— | | | | | | | |
| 2311 | Log sawmilling | 508.8 | 464.5 | 488.2 | 561.2 | 15.0 | 10.3 | 19.5 |
| 2312 | Wood chipping | 112.4 | 105.0 | 106.3 | 96.4 | -9.3 | -14.2 | 31.9 |
| 2313 | Timber resawing and dressing | 201.8 | 193.8 | 197.3 | 214.1 | 8.5 | 6.1 | 17.0 |
| 231 | Total | 823.0 | 763.3 | 791.8 | 871.7 | 10.1 | 5.9 | 17.4 |
| | Other wood product mfg— | | | | | | | |
| 2321 | Plywood and veneer mfg | 60.6 | 57.8 | 43.7 | 48.9 | 11.9 | -19.3 | 21.2 |
| 2322 | Fabricated wood mfg | 179.9 | 143.3 | 153.4 | 160.2 | 4.4 | -11.0 | 8.0 |
| 2323 | Wooden structural component mfg | 547.1 | 537.5 | 510.1 | 508.0 | -0.4 | -7.1 | 9.6 |
| 2329 | Wood product mfg n.e.c. | 154.7 | 95.8 | 103.5 | 115.7 | 11.8 | -25.2 | 1.9 |
| 232 | Total | 942.3 | 834.4 | 810.7 | 832.8 | 2.7 | -11.6 | 9.4 |
| | Paper and paper product mfg— | | | | | | | |
| 2331 | Pulp, paper and paperboard mfg | 663.7 | 619.7 | 599.8 | 574.1 | -4.3 | -13.5 | 17.8 |
| 2332 | Solid paperboard container mfg | 105.9 | 105.9 | 117.5 | 137.6 | 17.1 | 29.9 | 11.0 |
| 2333 | Corrugated paperboard container mfg | 297.9 | 318.5 | 299.3 | 332.3 | 11.0 | 11.5 | 16.4 |
| 2334 | Paper bag and sack mfg | 77.7 | 92.9 | 85.6 | 86.5 | 1.1 | 11.3 | 23.6 |
| 2339 | Paper product mfg n.e.c. | 182.6 | 201.5 | 202.7 | 237.1 | 17.0 | 29.8 | 37.9 |
| 233 | Total | 1,327.8 | 1,338.5 | 1,304.9 | 1,367.6 | 4.8 | 3.0 | 16.5 |
| 23 | Total wood and paper product mfg | 3,093.1 | 2,936.2 | 2,907.4 | 3,072.1 | 5.7 | -0.7 | 16.2 |
| | PRINTING, PUBLISHING AND RECORDED MEDIA— | | | | | | | |
| | Printing and services to printing— | | | | | | | |
| 2411 | Paper stationery mfg | 382.9 | 433.1 | 412.0 | 412.2 | — | 7.7 | 26.2 |
| 2412 | Printing | 1,274.1 | 1,184.4 | 1,221.9 | 1,298.7 | 6.3 | 1.9 | 12.3 |
| 2413 | Services to printing | 253.6 | 259.0 | 239.7 | 242.4 | 1.1 | -4.4 | -2.3 |
| 241 | Total | 1,910.6 | 1,876.5 | 1,873.6 | 1,953.3 | 4.3 | 2.2 | 12.7 |

For footnotes see end of table.

TABLE 3. MANUFACTURING ESTABLISHMENTS (a): GROSS PRODUCT AT FACTOR COST (AVERAGE 1989-90 PRICES)(b) BY INDUSTRY CLASS, AUSTRALIA
1989-90 TO 1992-93—continued

| Industry class ANZSIC code | Description | 1989-90 (\$m) | 1990-91 (\$m) | 1991-92 (\$m) | 1992-93 (\$m) | Change between | | Change in gross product per person employed (c) between 1989-90 and 1992-93 (%) |
|--|---|------------------|------------------|------------------|------------------|----------------------------------|----------------------------------|---|
| | | | | | | 1991-92 and 1992-93 (%) | 1989-90 and 1992-93 (%) | |
| Publishing— | | | | | | | | |
| 2421 | Newspaper printing or publishing | 1,719.4 | 1,528.7 | 1,276.8 | 1,357.8 | 6.3 | -21.0 | -12.8 |
| 2422 | Other periodical publishing | 130.3 | 115.7 | 134.4 | 142.8 | 6.3 | 9.6 | -35.1 |
| 2423 | Book and other publishing | 167.1 | 158.8 | 193.8 | 192.6 | -0.6 | 15.3 | 5.4 |
| 242 | Total | 2,016.8 | 1,803.2 | 1,605.0 | 1,693.2 | 5.5 | -16.0 | -14.7 |
| 243 | Recorded media manufacturing and publishing | 61.7 | 65.8 | 47.0 | 62.7 | 33.4 | 1.6 | 97.4 |
| 24 | Total printing, publishing and recorded media | 3,989.1 | 3,745.5 | 3,525.6 | 3,709.2 | 5.2 | -7.0 | -0.6 |
| PETROLEUM, COAL, CHEMICAL AND ASSOCIATED PRODUCT MFG— | | | | | | | | |
| 251 | Petroleum refining | 1,921.0 | 1,960.0 | 2,011.0 | 2,074.0 | 3.1 | 8.0 | 23.0 |
| 252 | Petroleum and coal product mfg n.e.c. | 36.0 | 44.9 | 34.3 | 48.9 | 42.6 | 35.8 | 8.5 |
| Basic chemical mfg— | | | | | | | | |
| 2531 | Fertiliser mfg | 182.4 | 177.5 | 160.0 | 169.2 | 5.7 | -7.2 | 6.6 |
| 2532 | Industrial gas mfg | 161.0 | 174.6 | 169.3 | 120.7 | -28.7 | -25.0 | -29.5 |
| 2533 | Synthetic resin mfg | 504.1 | 514.7 | 543.3 | 545.9 | 0.5 | 8.3 | 22.4 |
| 2534 | Organic industrial chemical mfg n.e.c. | 235.9 | 235.6 | 216.8 | 224.0 | 3.3 | -5.0 | 37.1 |
| 2535 | Inorganic industrial chemical mfg n.e.c. | 423.3 | 472.4 | 485.1 | 544.6 | 12.3 | 28.7 | 20.4 |
| 253 | Total | 1,506.7 | 1,574.8 | 1,574.5 | 1,604.4 | 1.9 | 6.5 | 17.1 |
| Other chemical product mfg— | | | | | | | | |
| 2541 | Explosive mfg | 214.9 | 169.2 | 178.3 | 163.1 | -8.5 | -24.1 | 37.4 |
| 2542 | Paint mfg | 440.4 | 462.3 | 425.4 | 382.6 | -10.1 | -13.1 | -3.9 |
| 2543 | Medicinal and pharmaceutical product mfg | 560.1 | 619.4 | 762.1 | 822.8 | 8.0 | 46.9 | 19.6 |
| 2544 | Pesticide mfg | 203.9 | 196.0 | 185.5 | 191.3 | 3.1 | -6.2 | -1.4 |
| 2545 | Soap and other detergent mfg | 356.9 | 352.6 | 306.2 | 296.3 | -3.2 | -17.0 | -7.5 |
| 2546 | Cosmetic and toiletry preparation mfg | 264.5 | 284.1 | 298.1 | 249.0 | -16.5 | -5.9 | 12.8 |
| 2547 | Ink mfg | 90.1 | 112.5 | 81.9 | 68.3 | -16.6 | -24.2 | -6.4 |
| 2549 | Chemical product mfg n.e.c. | 192.8 | 184.9 | 171.9 | 171.3 | -0.3 | -11.2 | -10.9 |
| 254 | Total | 2,323.6 | 2,381.0 | 2,409.4 | 2,344.7 | -2.7 | 0.9 | 4.1 |
| Rubber product mfg— | | | | | | | | |
| 2551 | Rubber tyre mfg | 315.0 | 315.2 | 330.1 | 364.9 | 10.5 | 15.8 | 23.5 |
| 2559 | Rubber product mfg n.e.c. | 195.0 | 177.9 | 124.5 | 135.8 | 9.1 | -30.4 | 24.4 |
| 255 | Total | 510.0 | 493.1 | 454.6 | 500.7 | 10.1 | -1.8 | 28.0 |

For footnotes see end of table.

TABLE 3. MANUFACTURING ESTABLISHMENTS (a): GROSS PRODUCT AT FACTOR COST (AVERAGE 1989-90 PRICES) (b) BY INDUSTRY CLASS, AUSTRALIA
1989-90 TO 1992-93—continued

| Industry class ANZSIC code | Description | 1989-90 (\$m) | 1990-91 (\$m) | 1991-92 (\$m) | 1992-93 (\$m) | Change between | | Change in gross product per person employed (c) between 1989-90 and 1992-93 (%) |
|----------------------------------|--|------------------|------------------|------------------|------------------|----------------------------------|----------------------------------|---|
| | | | | | | 1991-92 and 1992-93 (%) | 1989-90 and 1992-93 (%) | |
| | Plastic product mfg— | | | | | | | |
| 2561 | Plastic blow moulded product mfg | 213.8 | 180.2 | 214.7 | 213.1 | -0.7 | -0.3 | 24.1 |
| 2562 | Plastic extruded product mfg | 294.0 | 284.0 | 338.2 | 262.6 | -22.4 | -10.7 | 12.7 |
| 2563 | Plastic bag and film mfg | 467.3 | 619.7 | 484.3 | 542.2 | 12.0 | 16.0 | 5.9 |
| 2564 | Plastic product, rigid fibre reinforced, mfg | 92.9 | 98.3 | 50.5 | 70.2 | 39.0 | -24.4 | -23.0 |
| 2565 | Plastic foam product mfg | 64.0 | 57.5 | 67.2 | 72.2 | 7.4 | 12.8 | 26.7 |
| 2566 | Plastic injection moulded product mfg | 623.4 | 687.4 | 564.2 | 587.8 | 4.2 | -5.7 | 11.9 |
| 256 | Total | 1,755.4 | 1,927.1 | 1,719.1 | 1,748.1 | 1.7 | -0.4 | 12.4 |
| 25 | Total petroleum, coal, chemical and associated product mfg | 8,032.7 | 8,380.9 | 8,202.9 | 8,320.8 | 1.4 | 3.3 | 14.1 |
| | NON-METALLIC MINERAL PRODUCT MFG— | | | | | | | |
| 261 | Glass and glass product mfg | 625.2 | 533.7 | 516.1 | 539.3 | 4.5 | -13.7 | 0.2 |
| | Ceramic mfg— | | | | | | | |
| 2621 | Clay brick mfg | 444.7 | 370.6 | 367.0 | 434.5 | 18.4 | -2.3 | 6.9 |
| 2622 | Ceramic product mfg | 69.3 | 66.2 | 62.8 | 66.2 | 5.4 | -4.5 | 13.9 |
| 2623 | Ceramic tile and pipe mfg | 77.4 | 77.4 | 70.8 | 76.9 | 8.6 | -0.6 | 29.4 |
| 2629 | Ceramic product mfg n.e.c. | 83.2 | 76.1 | 72.1 | 98.1 | 36.1 | 17.9 | 29.4 |
| 262 | Total | 674.6 | 590.3 | 572.7 | 675.7 | 18.0 | 0.2 | 13.9 |
| | Cement, lime, plaster and concrete product mfg— | | | | | | | |
| 2631 | Cement and lime mfg | 364.0 | 301.2 | 283.1 | 311.5 | 10.0 | -14.4 | 9.0 |
| 2632 | Plaster product mfg | 167.0 | 166.1 | 187.1 | 195.5 | 4.5 | 17.1 | -10.4 |
| 2633 | Concrete slurry mfg | 284.9 | 228.6 | 219.2 | 274.4 | 25.2 | -3.7 | -17.4 |
| 2634 | Concrete pipe and box culvert mfg | 111.0 | n.p. | n.p. | n.p. | n.p. | n.p. | n.p. |
| 2635 | Concrete product mfg n.e.c. | 479.5 | n.p. | n.p. | n.p. | n.p. | n.p. | n.p. |
| 263 | Total | 1,406.4 | 1,236.5 | 1,193.4 | 1,302.1 | 9.1 | -7.4 | 0.1 |
| 264 | Non-metallic mineral product mfg n.e.c. | 318.9 | 333.7 | 342.6 | 365.2 | 6.6 | 14.5 | 32.7 |
| 26 | Total non-metallic mineral product mfg | 3,025.1 | 2,694.2 | 2,624.8 | 2,882.3 | 9.8 | -4.7 | 6.4 |
| | METAL PRODUCT MFG— | | | | | | | |
| | Iron and steel mfg— | | | | | | | |
| 2711 | Basic iron and steel mfg | 2,127.1 | 2,052.2 | 2,029.3 | 1,969.9 | -2.9 | -7.4 | 10.3 |
| 2712 | Iron and steel casting and forging | 354.0 | 302.1 | 303.5 | 291.7 | -3.9 | -17.6 | 3.1 |
| 2713 | Steel pipe and tube mfg | 159.8 | 185.4 | 172.5 | 169.1 | -2.0 | 5.8 | 13.2 |
| 271 | Total | 2,640.9 | 2,539.7 | 2,505.3 | 2,430.7 | -3.0 | -8.0 | 9.9 |

For footnotes see end of table.

TABLE 3. MANUFACTURING ESTABLISHMENTS (A): GROSS PRODUCT AT FACTOR COST (AVERAGE 1989-90 PRICES)(b) BY INDUSTRY CLASS, AUSTRALIA
1989-90 TO 1992-93—continued

| Industry class ANZSIC code | Description | 1989-90 (\$m) | 1990-91 (\$m) | 1991-92 (\$m) | 1992-93 (\$m) | Change between | | Change in gross product per person employed (c) between 1989-90 and 1992-93 (%) |
|----------------------------------|--|------------------|------------------|------------------|------------------|----------------------------------|----------------------------------|---|
| | | | | | | 1991-92 and 1992-93 (%) | 1989-90 and 1992-93 (%) | |
| | Basic non-ferrous metal mfg— | | | | | | | |
| 2721 | Alumina production | 1,729.0 | 1,840.4 | 1,791.8 | 1,658.8 | -7.4 | -4.1 | -6.3 |
| 2722 | Aluminium smelting | 1,176.1 | 1,382.9 | 1,549.6 | 1,167.5 | -24.7 | -0.7 | 4.0 |
| 2723 | Copper, silver, lead and zinc smelting, refining | 679.9 | 762.0 | 807.4 | 742.2 | -8.1 | 9.2 | 20.4 |
| 2729 | Basic non-ferrous metal mfg n.e.c. | 264.3 | 266.0 | 273.1 | 299.8 | 9.8 | 13.4 | 15.7 |
| 272 | Total | 3,849.3 | 4,251.3 | 4,421.9 | 3,868.3 | -12.5 | 0.5 | 4.0 |
| | Non-ferrous basic metal product mfg— | | | | | | | |
| 2731 | Aluminium rolling, drawing, extruding | 287.8 | 267.7 | 270.2 | 270.7 | 0.2 | -5.9 | 10.7 |
| 2732 | Non-ferrous metal rolling, drawing, extruding n.e.c. | 193.3 | 126.7 | 108.9 | 107.2 | -1.6 | -44.5 | -12.7 |
| 2733 | Non-ferrous metal casting | 64.2 | 66.6 | 93.4 | 88.9 | -4.8 | 38.5 | 41.1 |
| 273 | Total | 545.3 | 461.0 | 472.5 | 466.8 | -1.2 | -14.4 | 5.2 |
| | Structural metal product mfg— | | | | | | | |
| 2741 | Structural steel fabricating | 831.8 | 751.8 | 613.3 | 642.9 | 4.8 | -22.7 | 6.4 |
| 2742 | Architectural aluminium product mfg | 402.8 | 354.5 | 327.4 | 329.8 | 0.7 | -18.1 | 0.3 |
| 2749 | Structural metal product mfg n.e.c. | 207.6 | 179.6 | 149.2 | 148.9 | -0.2 | -28.3 | 2.2 |
| 274 | Total | 1,442.2 | 1,285.9 | 1,089.9 | 1,121.6 | 2.9 | -22.2 | 2.7 |
| | Sheet metal product mfg— | | | | | | | |
| 2751 | Metal container mfg | 324.1 | 427.5 | 433.5 | 494.5 | 14.1 | 52.6 | 42.4 |
| 2759 | Sheet metal product mfg n.e.c. | 770.4 | 553.1 | 520.1 | 543.7 | 4.5 | -29.4 | -1.1 |
| 275 | Total | 1,094.5 | 980.6 | 953.6 | 1,038.2 | 8.9 | -5.1 | 20.9 |
| | Fabricated metal product mfg— | | | | | | | |
| 2761 | Hand tool and general hardware mfg | 94.0 | 75.2 | 64.0 | 63.5 | -0.8 | -32.4 | -16.3 |
| 2762 | Spring and wire product mfg | 282.1 | 315.8 | 363.4 | 477.8 | 31.5 | 69.4 | 72.8 |
| 2763 | Nut, bolt, screw and rivet mfg | 139.0 | 128.5 | 135.0 | 165.4 | 22.5 | 19.0 | 68.7 |
| 2764 | Metal coating and finishing | 222.5 | 195.1 | 184.8 | 183.0 | -1.0 | -17.8 | -0.4 |
| 2765 | Non-ferrous pipe fitting mfg | 135.3 | 112.3 | 104.2 | 113.9 | 9.3 | -15.8 | 4.6 |
| 2769 | Fabricated metal product mfg n.e.c. | 734.7 | 738.5 | 695.4 | 693.2 | -0.3 | -5.6 | 2.1 |
| 276 | Total | 1,607.6 | 1,565.4 | 1,546.8 | 1,696.8 | 9.7 | 5.5 | 19.4 |
| 27 | Total metal product mfg | 11,179.8 | 11,083.9 | 10,990.0 | 10,622.4 | -3.3 | -5.0 | 13.4 |

For footnotes see end of table.

TABLE 3. MANUFACTURING ESTABLISHMENTS (a): GROSS PRODUCT AT FACTOR COST (AVERAGE 1989-90 PRICES) (b) BY INDUSTRY CLASS, AUSTRALIA
1989-90 TO 1992-93—continued

| Industry class ANZSIC code Description | 1989-90 (\$m) | 1990-91 (\$m) | 1991-92 (\$m) | 1992-93 (\$m) | Change between | | Change in gross product per person employed (c) between 1989-90 and 1992-93 (%) |
|--|------------------|------------------|------------------|------------------|----------------------------------|----------------------------------|---|
| | | | | | 1991-92 and 1992-93 (%) | 1989-90 and 1992-93 (%) | |
| MACHINERY AND EQUIPMENT MFG— | | | | | | | |
| Motor vehicle and part mfg— | | | | | | | |
| 2811 Motor vehicle mfg | 2,812.9 | 2,751.5 | 2,345.4 | 2,177.5 | -7.2 | -22.6 | 15.6 |
| 2812 Motor vehicle body mfg | 209.7 | 169.4 | 152.7 | 180.6 | 18.3 | -13.9 | 3.6 |
| 2813 Automotive electrical and instrument mfg | 333.4 | 301.6 | 243.9 | 239.6 | -1.8 | -28.1 | 32.7 |
| 2819 Automotive component mfg n.e.c. | 1,049.9 | 964.9 | 805.4 | 803.0 | -0.3 | -23.5 | 12.4 |
| 281 Total | 4,405.9 | 4,187.4 | 3,547.4 | 3,400.7 | -4.1 | -22.8 | 14.6 |
| Other transport equipment mfg— | | | | | | | |
| 2821 Shipbuilding | 796.1 | 532.2 | 524.9 | 444.0 | -15.4 | -44.2 | -31.3 |
| 2822 Boatbuilding | 108.2 | 70.5 | 78.4 | 110.9 | 41.5 | 2.5 | 30.5 |
| 2823 Railway equipment mfg | 247.5 | 154.1 | 160.3 | 242.1 | 51.0 | -2.2 | -2.2 |
| 2824 Aircraft mfg | 684.6 | 793.0 | 826.4 | 887.0 | 7.3 | 29.6 | 37.8 |
| 2829 Transport equipment mfg n.e.c. | 15.6 | 12.7 | 12.0 | 11.7 | -2.5 | -25.0 | -6.3 |
| 282 Total | 1,852.0 | 1,562.5 | 1,602.0 | 1,695.7 | 5.8 | -8.4 | 2.0 |
| Photographic and scientific equipment mfg— | | | | | | | |
| 2831 Photographic and optical good mfg | 146.2 | 177.8 | 195.2 | 163.4 | -16.3 | 11.8 | 19.1 |
| 2832 Medical and surgical equipment mfg | 114.9 | 89.4 | 74.1 | 76.3 | 3.0 | -33.6 | 14.4 |
| 2839 Professional and scientific equipment mfg n.e.c. | 200.6 | 167.6 | 235.0 | 204.2 | -13.1 | 1.8 | 16.5 |
| 283 Total | 461.7 | 434.8 | 504.3 | 443.9 | -12.0 | -3.9 | 26.3 |
| Electronic equipment mfg— | | | | | | | |
| 2841 Computer and business machine mfg | 106.4 | 195.2 | 251.5 | 505.4 | 101.0 | 375.0 | 241.7 |
| 2842 Telecommunication, broadcasting and transceiving equipment mfg | 570.8 | 604.5 | 599.4 | 682.4 | 13.8 | 19.6 | 28.3 |
| 2849 Electronic equipment mfg n.e.c. | 261.6 | 220.2 | 233.1 | 285.4 | 22.4 | 9.1 | 72.5 |
| 284 Total | 938.8 | 1,019.9 | 1,084.0 | 1,473.2 | 35.9 | 56.9 | 95.6 |
| Electrical equipment and appliance mfg— | | | | | | | |
| 2851 Household appliance mfg | 632.3 | 636.1 | 624.8 | 656.6 | 5.1 | 3.8 | 22.8 |
| 2852 Electric cable and wire mfg | 244.2 | 245.8 | 264.8 | 296.0 | 11.8 | 21.2 | 5.5 |
| 2853 Battery mfg | 66.3 | 58.6 | 65.9 | 51.2 | -22.3 | -22.8 | -6.3 |
| 2854 Electric light and sign mfg | 166.0 | 124.9 | 110.1 | 135.6 | 23.2 | -18.3 | 5.7 |
| 2859 Electrical equipment mfg n.e.c. | 901.9 | 1,364.0 | 1,298.3 | 1,184.7 | 8.7 | 31.4 | 21.1 |
| 285 Total | 2,010.7 | 2,429.4 | 2,363.9 | 2,324.1 | -1.7 | 15.6 | 21.3 |

For footnotes see end of table.

TABLE 3. MANUFACTURING ESTABLISHMENTS (a): GROSS PRODUCT AT FACTOR COST (AVERAGE 1989-90 PRICES) (b) BY INDUSTRY CLASS, AUSTRALIA
1989-90 TO 1992-93--continued

| Industry class ANZSIC code | Description | 1989-90 (\$m) | 1990-91 (\$m) | 1991-92 (\$m) | 1992-93 (\$m) | Change between | | Change in gross product per person employed (c) between 1989-90 and 1992-93 (%) |
|--|--|------------------|------------------|------------------|------------------|----------------------------------|----------------------------------|---|
| | | | | | | 1991-92 and 1992-93 (%) | 1989-90 and 1992-93 (%) | |
| Industrial machinery and equipment mfg— | | | | | | | | |
| 2861 | Agricultural machinery mfg | 281.6 | 241.7 | 205.3 | 205.1 | -0.1 | -27.2 | -2.4 |
| 2862 | Mining and construction machinery mfg | 278.1 | 260.4 | 229.6 | 181.8 | -20.8 | -34.6 | -13.6 |
| 2863 | Food processing machinery mfg | 110.4 | 87.1 | 77.6 | 56.4 | -27.3 | -48.9 | -20.2 |
| 2864 | Machine tool and part mfg | 298.3 | 284.0 | 226.6 | 241.9 | 6.8 | -18.9 | -3.5 |
| 2865 | Lifting and material handling equipment mfg | 404.6 | 326.5 | 290.9 | 325.0 | 11.7 | -19.7 | 4.0 |
| 2866 | Pump and compressor mfg | 233.4 | 199.6 | 177.0 | 134.5 | -24.0 | -42.4 | -2.5 |
| 2867 | Commercial space heating and cooling equipment mfg | 72.8 | 82.3 | 83.5 | 75.2 | -9.9 | 3.3 | 37.3 |
| 2869 | Industrial machinery and equipment mfg n.e.c. | 580.9 | 627.8 | 624.7 | 567.9 | -9.1 | -2.2 | 3.3 |
| 286 | Total | 2,260.1 | 2,109.4 | 1,915.2 | 1,787.8 | -6.7 | -20.9 | -1.5 |
| 28 | Total machinery and equipment mfg | 11,929.2 | 11,743.4 | 11,016.8 | 11,125.4 | 1.0 | -6.7 | 17.5 |
| OTHER MANUFACTURING— | | | | | | | | |
| Prefabricated building mfg— | | | | | | | | |
| 2911 | Prefabricated metal building mfg | 133.2 | 86.1 | 91.2 | 88.0 | -3.5 | -33.9 | -0.5 |
| 2919 | Prefabricated building mfg n.e.c. | 65.0 | 30.0 | 19.1 | 17.5 | -8.4 | -73.1 | -30.8 |
| 291 | Total | 198.2 | 116.1 | 110.3 | 105.5 | -4.4 | -46.8 | -8.1 |
| Furniture mfg— | | | | | | | | |
| 2921 | Wooden furniture and upholstered seat mfg | 793.8 | 694.6 | 610.3 | 588.4 | -3.6 | -25.9 | -1.7 |
| 2922 | Sheet metal furniture mfg | 144.5 | 120.4 | 96.5 | 86.1 | -10.8 | -40.4 | -6.4 |
| 2923 | Mattress mfg (except rubber) | 114.2 | 73.7 | 97.2 | 122.7 | 26.2 | 7.4 | 18.7 |
| 2929 | Furniture mfg n.e.c. | 137.6 | 86.1 | 105.2 | 161.6 | 53.6 | 17.4 | -0.8 |
| 292 | Total | 1,190.1 | 974.8 | 909.2 | 958.8 | 5.5 | -19.4 | 1.6 |
| Miscellaneous manufacturing— | | | | | | | | |
| 2941 | Jewellery and silverware mfg | 116.6 | 105.9 | 97.9 | 71.4 | -27.1 | -38.8 | -27.1 |
| 2942 | Toy and sporting good mfg | 331.4 | 65.5 | 71.6 | 81.8 | 14.2 | -7.8 | 6.6 |
| 2949 | Manufacturing n.e.c. | 448.0 | 405.5 | 427.8 | 377.1 | -11.9 | -15.8 | -2.1 |
| 294 | Total | 1,836.3 | 1,496.4 | 1,447.3 | 1,441.4 | -0.4 | -21.5 | -1.0 |
| 29 | Total other manufacturing | 56,231.7 | 55,336.2 | 53,749.6 | 54,245.2 | 0.9 | -3.5 | 13.4 |
| 21-29 | TOTAL MANUFACTURING | | | | | | | |

(a) See paragraph 9 of the Explanatory Notes. (b) See paragraphs 19 to 21 of the Explanatory Notes. (c) Based on average employment over the whole year. Includes working proprietors.

TABLE 4. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY INDUSTRY SUBDIVISION
AUSTRALIA, 1989-90 TO 1992-93 (b)

| Industry subdivision | | | Employment | Wages and | Turnover | Persons | Turnover | |
|----------------------|--|----------------|------------|-----------|----------|---------------|------------|-------|
| ANZSIC | Description | Establishments | at end of | salaries | | employed per | per person | |
| code | | at 30 June | June | (e)(f) | (f) | establishment | employed | |
| | | (c) | (d) | (\$m) | (\$m) | (No.) | (f)(g) | |
| | | (No.) | ('000) | | | | (\$'000) | |
| 21 | Food, beverage and tobacco mfg | 1992-93 | 3,328 | 159.4 | 4,765.8 | 37,038.0 | 48 | 232.4 |
| | | 1991-92 r | 3,395 | 159.4 | 4,516.1 | 35,190.6 | 47 | 220.8 |
| | | 1990-91 | 3,454 | 166.7 | 4,528.8 | 34,589.3 | 48 | 207.5 |
| | | 1989-90 | 3,534 | 169.1 | 4,223.2 | 32,896.9 | 48 | 194.5 |
| 22 | Textile, clothing, footwear and leather mfg | 1992-93 | 3,623 | 75.2 | 1,855.6 | 8,849.1 | 21 | 117.6 |
| | | 1991-92 r | 3,743 | 79.2 | 1,941.8 | 9,179.2 | 21 | 115.9 |
| | | 1990-91 | 3,759 | 87.9 | 2,032.1 | 9,593.2 | 23 | 109.2 |
| | | 1989-90 | 3,863 | 100.1 | 2,123.8 | 9,629.4 | 26 | 96.2 |
| 23 | Wood and paper product mfg | 1992-93 | 3,372 | 57.8 | 1,741.0 | 9,909.3 | 17 | 171.5 |
| | | 1991-92 r | 3,576 | 58.6 | 1,711.9 | 9,248.7 | 16 | 157.9 |
| | | 1990-91 | 3,679 | 60.3 | 1,720.4 | 9,292.7 | 16 | 154.2 |
| | | 1989-90 | 3,958 | 65.9 | 1,726.3 | 9,325.9 | 17 | 141.5 |
| 24 | Printing, publishing and recorded media | 1992-93 | 4,298 | 84.1 | 2,688.0 | 11,325.7 | 20 | 134.6 |
| | | 1991-92 r | 4,618 | 83.1 | 2,529.9 | 10,426.0 | 18 | 125.5 |
| | | 1990-91 | 4,431 | 86.1 | 2,562.1 | 10,412.2 | 19 | 120.9 |
| | | 1989-90 | 4,502 | 89.6 | 2,435.2 | 10,122.8 | 20 | 113.0 |
| 25 | Petroleum, coal, chemical and associated product mfg | 1992-93 | 2,639 | 87.4 | 3,115.7 | 27,550.0 | 33 | 315.1 |
| | | 1991-92 r | 2,821 | 89.4 | 3,104.4 | 27,984.6 | 32 | 313.2 |
| | | 1990-91 | 2,760 | 92.4 | 3,110.2 | 27,977.1 | 33 | 302.9 |
| | | 1989-90 | 2,760 | 94.9 | 2,896.5 | 26,040.0 | 34 | 274.5 |
| 26 | Non-metallic mineral product mfg | 1992-93 | 1,586 | 38.4 | 1,282.4 | 8,361.5 | 24 | 217.8 |
| | | 1991-92 r | 1,772 | 38.3 | 1,245.6 | 7,514.7 | 22 | 196.3 |
| | | 1990-91 | 1,703 | 40.0 | 1,296.4 | 7,564.9 | 24 | 188.9 |
| | | 1989-90 | 1,888 | 42.6 | 1,258.3 | 7,937.6 | 23 | 186.3 |
| 27 | Metal product mfg | 1992-93 | 6,807 | 143.1 | 4,737.5 | 31,310.4 | 21 | 218.7 |
| | | 1991-92 r | 7,048 | 146.7 | 4,824.8 | 31,440.2 | 21 | 214.3 |
| | | 1990-91 | 7,080 | 160.0 | 5,030.6 | 33,216.6 | 23 | 207.5 |
| | | 1989-90 | 7,120 | 168.5 | 4,893.4 | 33,511.5 | 24 | 198.9 |
| 28 | Machinery and equipment mfg | 1992-93 | 7,483 | 188.4 | 5,986.8 | 30,780.9 | 25 | 163.4 |
| | | 1991-92 r | 7,895 | 193.0 | 5,919.4 | 29,580.8 | 24 | 153.2 |
| | | 1990-91 | 7,844 | 212.4 | 6,526.1 | 31,663.1 | 27 | 149.1 |
| | | 1989-90 | 8,027 | 236.9 | 6,479.5 | 32,226.3 | 30 | 136.0 |
| 29 | Other manufacturing | 1992-93 | 5,149 | 47.9 | 1,110.2 | 4,800.4 | 9 | 100.2 |
| | | 1991-92 r | 5,480 | 48.8 | 1,098.7 | 4,752.4 | 9 | 97.4 |
| | | 1990-91 | 5,418 | 51.0 | 1,146.8 | 4,855.1 | 9 | 95.2 |
| | | 1989-90 | 5,580 | 58.2 | 1,254.7 | 5,380.9 | 10 | 92.4 |
| 21-29 | Total manufacturing | 1992-93 | 38,285 | 881.7 | 27,282.9 | 169,925.2 | 23 | 192.7 |
| | | 1991-92 r | 40,348 | 896.4 | 26,892.6 | 165,317.2 | 22 | 184.4 |
| | | 1990-91 | 40,128 | 956.8 | 27,953.7 | 169,164.2 | 24 | 176.8 |
| | | 1989-90 | 41,232 | 1,026.0 | 27,291.0 | 167,071.2 | 25 | 162.8 |

(a) See paragraph 9 of the Explanatory Notes. (b) For comparability of data over the time periods shown, see paragraphs 16 and 17 of the Explanatory Notes. (c) See paragraphs 5 to 12 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 5. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY INDUSTRY CLASS, AUSTRALIA, 1992-93

| Industry class ANZSIC code | Description | Establishments at 30 June (No.) | Employment at end of June (No.) | Wages and salaries (d) (\$m) | Turnover | | | Purchases and transfers in (\$m) | Selected expenses (\$m) | Opening stocks (\$m) | Closing stocks (\$m) | Value added (\$m) | Net capital expenditure (\$m) |
|--|-----------------------------------|---------------------------------------|--|--|--|------------------------------------|--------------------------------|---|-------------------------------|----------------------------|----------------------------|-------------------------|--|
| | | | | | Total sales and transfers out (\$m) | Balance of turnover (\$m) | Total transfers in (\$m) | | | | | | |
| FOOD, BEVERAGE AND TOBACCO MFG— | | | | | | | | | | | | | |
| Meat and meat product mfg— | | | | | | | | | | | | | |
| 2111 | Meat processing | 346 | 29,071 | 855.8 | 274.1 | 5,763.7 | 6,037.7 | 267.0 | 219.2 | 243.1 | 1,687.4 | 124.3 | |
| 2112 | Poultry processing | 99 | 8,987 | 208.6 | 11.6 | 1,680.7 | 1,692.3 | 97.7 | 97.2 | 97.2 | 566.8 | 57.2 | |
| 2113 | Bacon, ham and smallgoods mfg | 131 | 6,837 | 187.9 | 4.7 | 1,225.1 | 1,229.8 | 58.4 | 73.6 | 76.2 | 408.8 | 22.8 | |
| 211 | Total | 576 | 44,895 | 1,252.4 | 290.4 | 8,669.5 | 8,959.9 | 423.2 | 390.0 | 416.6 | 2,663.0 | 204.2 | |
| Dairy product mfg— | | | | | | | | | | | | | |
| 2121 | Milk and cream processing | 65 | 6,386 | 220.9 | 26.3 | 2,493.1 | 2,519.4 | 123.0 | 105.6 | 127.5 | 694.1 | 60.1 | |
| 2122 | Ice cream mfg | 41 | 1,648 | 59.4 | 1.2 | 491.1 | 492.4 | 58.0 | 39.8 | 39.5 | 197.1 | 13.2 | |
| 2129 | Dairy product mfg n.e.c. | 92 | 6,422 | 204.9 | 42.6 | 2,293.3 | 2,336.0 | 107.5 | 168.0 | 187.3 | 776.0 | 91.6 | |
| 212 | Total | 199 | 14,456 | 485.2 | 70.2 | 5,277.6 | 5,347.8 | 288.5 | 313.4 | 354.3 | 1,667.2 | 164.9 | |
| 213 | Fruit and vegetable processing | 176 | 10,295 | 319.6 | 39.4 | 2,412.4 | 2,451.8 | 175.6 | 448.4 | 460.9 | 927.0 | 186.4 | |
| 214 | Oil and fat mfg | 35 | 1,684 | 79.1 | 32.2 | 556.7 | 588.9 | 40.6 | 51.1 | 55.4 | 185.2 | 35.3 | |
| Flour mill and cereal food mfg— | | | | | | | | | | | | | |
| 2151 | Flour mill product mfg | 54 | 2,967 | 105.7 | 14.3 | 1,195.5 | 1,209.7 | 86.4 | 112.6 | 114.7 | 359.3 | 39.4 | |
| 2152 | Cereal food and baking mix mfg | 93 | 5,496 | 159.0 | 30.7 | 1,394.4 | 1,425.1 | 197.5 | 228.7 | 228.5 | 631.8 | 76.5 | |
| 215 | Total | 147 | 8,463 | 264.7 | 45.0 | 2,589.8 | 2,634.8 | 283.9 | 341.3 | 343.2 | 991.1 | 115.9 | |
| Bakery product mfg— | | | | | | | | | | | | | |
| 2161 | Bread mfg | 517 | 13,940 | 343.3 | 2.6 | 1,368.1 | 1,370.7 | 124.6 | 24.7 | 24.7 | 668.2 | 44.8 | |
| 2162 | Cake and pastry mfg | 492 | 9,358 | 193.6 | 2.7 | 815.6 | 818.3 | 66.3 | 45.9 | 45.5 | 388.6 | 26.1 | |
| 2163 | Biscuit mfg | 46 | 5,203 | 142.5 | 1.6 | 642.4 | 643.9 | 27.3 | 36.0 | 42.7 | 361.7 | 54.2 | |
| 216 | Total | 1,054 | 28,502 | 679.5 | 6.9 | 2,826.0 | 2,833.0 | 218.2 | 106.5 | 112.9 | 1,418.5 | 125.1 | |
| Other food mfg— | | | | | | | | | | | | | |
| 2171 | Sugar mfg | 36 | 5,903 | 210.3 | 62.9 | 1,828.5 | 1,891.4 | 137.2 | 68.7 | 55.6 | 562.3 | 86.7 | |
| 2172 | Confectionery mfg | 150 | 6,892 | 220.1 | 10.1 | 1,152.1 | 1,162.2 | 82.5 | 117.5 | 120.4 | 538.8 | 68.0 | |
| 2173 | Seafood processing | 126 | 4,145 | 83.6 | 12.8 | 1,006.1 | 1,018.9 | 60.6 | 118.1 | 103.1 | 271.7 | 16.6 | |
| 2174 | Prepared animal and bird feed mfg | 187 | 4,422 | 154.3 | 8.1 | 1,871.4 | 1,879.4 | 146.1 | 116.4 | 128.6 | 383.7 | 75.6 | |
| 2179 | Food mfg n.e.c. | 296 | 10,047 | 280.9 | 5.4 | 1,747.7 | 1,753.1 | 115.7 | 143.6 | 152.2 | 787.1 | 81.0 | |
| 217 | Total | 795 | 31,410 | 949.1 | 99.3 | 7,605.8 | 7,705.1 | 542.0 | 564.4 | 559.9 | 2,543.6 | 327.9 | |
| Beverage and malt mfg— | | | | | | | | | | | | | |
| 2181 | Soft drink, cordial and syrup mfg | 108 | 6,198 | 213.7 | 33.1 | 1,914.7 | 1,947.7 | 149.5 | 151.1 | 147.5 | 591.4 | 91.4 | |
| 2182 | Beer and malt mfg | 32 | 4,704 | 247.3 | 28.0 | 2,432.2 | 2,460.2 | 149.1 | 143.8 | 146.9 | 1,284.7 | 207.4 | |
| 2183 | Wine mfg | 192 | 5,651 | 141.3 | 7.8 | 1,179.1 | 1,029.5 | 69.4 | 632.5 | 666.9 | 580.3 | 36.7 | |
| 2184 | Spirit mfg | 7 | 226 | 6.8 | 3.7 | 69.9 | 73.6 | 10.5 | 24.4 | 23.5 | 23.7 | 1.1 | |
| 218 | Total | 339 | 16,779 | 609.2 | 72.6 | 5,595.9 | 5,668.4 | 378.5 | 951.8 | 984.8 | 2,480.0 | 336.5 | |

For footnotes see end of table.

TABLE 5. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY INDUSTRY CLASS, AUSTRALIA, 1992-93—continued

| Industry class ANZSIC code | Description | Establishments at 30 June (No.) | Employment at end of June (c) (No.) | Wages and salaries (d) | | Turnover | | | Purchases and transfers in (\$m) | Selected expenses (\$m) | Opening stocks (\$m) | Closing stocks (\$m) | Value added (\$m) | Net capital expenditure (\$m) |
|---|---|---------------------------------------|---|---------------------------|----------|---|------------------------------------|----------------|---|-------------------------------|----------------------------|----------------------------|-------------------------|--|
| | | | | (c) | (d) | Total sales of goods and transfers out (\$m) | Balance of turnover (\$m) | Total (\$m) | | | | | | |
| 219 | Tobacco product mfg | 6 | 2,879 | 127.2 | 835.3 | 13.1 | 848.4 | 316.8 | 19.0 | 247.9 | 218.8 | 483.5 | 38.2 | |
| 21 | Total food, beverage and tobacco mfg | 3,328 | 159,362 | 4,765.8 | 36,369.0 | 669.0 | 37,038.0 | 21,401.6 | 2,369.5 | 3,414.7 | 3,506.8 | 13,359.0 | 1,534.6 | |
| TEXTILE, CLOTHING, FOOTWEAR AND LEATHER MFG— | | | | | | | | | | | | | | |
| Textile fibre, yarn and woven fabric mfg— | | | | | | | | | | | | | | |
| 2211 | Wool scouring | 21 | 1,570 | 54.6 | 303.1 | 71.4 | 374.5 | 211.2 | 22.1 | 55.3 | 49.2 | 135.1 | 12.7 | |
| 2212 | Synthetic fibre textile mfg | 90 | 4,885 | 162.6 | 707.5 | 11.0 | 718.5 | 351.5 | 54.2 | 138.6 | 132.2 | 306.5 | 16.2 | |
| 2213 | Cotton textile mfg | 58 | 2,504 | 71.7 | 315.9 | 13.8 | 329.7 | 161.9 | 23.1 | 57.6 | 56.3 | 143.4 | 11.4 | |
| 2214 | Wool textile mfg | 28 | 2,820 | 74.6 | 309.1 | 29.1 | 338.2 | 170.5 | 21.9 | 76.1 | 62.2 | 131.8 | 38.9 | |
| 2215 | Textile finishing | 76 | 2,036 | 62.8 | 247.8 | 37.5 | 285.3 | 132.5 | 19.3 | 30.3 | 34.4 | 137.6 | 6.7 | |
| 221 | Total | 273 | 13,816 | 426.3 | 1,883.5 | 162.8 | 2,046.3 | 1,027.6 | 140.6 | 357.9 | 334.3 | 854.4 | 85.9 | |
| Textile product mfg— | | | | | | | | | | | | | | |
| 2221 | Made-up textile product mfg | 413 | 4,893 | 106.5 | 492.1 | 16.2 | 508.3 | 265.7 | 49.3 | 62.5 | 66.9 | 197.7 | 9.7 | |
| 2222 | Textile floor covering mfg | 85 | 3,662 | 109.2 | 635.7 | 9.8 | 645.5 | 335.5 | 39.4 | 86.0 | 84.7 | 269.3 | 11.9 | |
| 2223 | Rope, cordage and twine mfg | 22 | 512 | 14.6 | 82.9 | 0.9 | 83.8 | 28.9 | 4.5 | 13.1 | 13.7 | 51.0 | 1.4 | |
| 2229 | Textile product mfg n.e.c. | 104 | 1,475 | 36.8 | 248.4 | 5.1 | 253.6 | 108.7 | 34.2 | 18.3 | 20.3 | 112.6 | 5.4 | |
| 222 | Total | 625 | 10,541 | 267.2 | 1,459.1 | 32.0 | 1,491.2 | 738.9 | 127.3 | 179.9 | 185.6 | 630.7 | 28.4 | |
| Knitting mills— | | | | | | | | | | | | | | |
| 2231 | Hosiery mfg | 37 | 2,910 | 75.8 | 280.9 | 2.9 | 283.8 | 109.5 | 14.6 | 50.4 | 56.6 | 165.8 | 14.2 | |
| 2232 | Cardigan and pullover mfg | 86 | 1,558 | 34.6 | 121.1 | 4.3 | 125.3 | 50.7 | 11.0 | 22.1 | 18.9 | 60.6 | 1.9 | |
| 2239 | Knitting mill product mfg n.e.c. | 118 | 2,951 | 82.3 | 468.9 | 4.9 | 473.8 | 240.0 | 51.6 | 79.7 | 86.6 | 189.1 | 5.7 | |
| 223 | Total | 242 | 7,419 | 192.7 | 870.9 | 12.1 | 883.0 | 400.2 | 77.2 | 152.3 | 162.1 | 415.5 | 21.8 | |
| Clothing mfg— | | | | | | | | | | | | | | |
| 2241 | Men's and boys' wear mfg | 356 | 9,553 | 214.8 | 762.3 | 29.0 | 791.3 | 304.1 | 83.8 | 114.8 | 117.6 | 406.2 | 9.6 | |
| 2242 | Women's and girls' wear mfg | 891 | 9,863 | 199.0 | 1,028.7 | 72.7 | 1,101.4 | 446.9 | 248.8 | 131.0 | 126.5 | 401.2 | 6.1 | |
| 2243 | Sleepwear, underwear and infant clothing mfg | 74 | 5,530 | 136.0 | 506.4 | 7.3 | 513.7 | 203.9 | 26.6 | 113.3 | 127.7 | 297.7 | 5.7 | |
| 2249 | Clothing mfg n.e.c. | 755 | 7,992 | 169.4 | 667.9 | 84.2 | 752.0 | 275.0 | 150.5 | 102.8 | 110.6 | 334.3 | 9.1 | |
| 224 | Total | 2,076 | 32,937 | 719.2 | 2,965.4 | 193.1 | 3,158.4 | 1,229.8 | 509.7 | 461.9 | 482.4 | 1,439.4 | 30.6 | |
| 225 | Footwear mfg | 205 | 7,043 | 160.2 | 590.6 | 9.3 | 599.9 | 258.1 | 37.8 | 89.9 | 87.4 | 301.4 | 15.1 | |
| Leather and leather product mfg— | | | | | | | | | | | | | | |
| 2261 | Leather tanning and for dressing | 103 | 2,601 | 72.5 | 559.7 | 38.8 | 598.4 | 419.5 | 32.7 | 61.6 | 66.8 | 151.3 | 17.6 | |
| 2262 | Leather and leather substitute product mfg | 100 | 865 | 17.5 | 69.5 | 2.5 | 72.0 | 28.4 | 5.2 | 14.6 | 12.6 | 36.4 | 1.1 | |
| 226 | Total | 203 | 3,466 | 90.0 | 629.1 | 41.3 | 670.4 | 447.9 | 37.9 | 76.2 | 79.3 | 187.7 | 18.7 | |
| 22 | Total textile, clothing, footwear and leather mfg | 3,623 | 75,223 | 1,855.6 | 8,398.5 | 450.6 | 8,849.1 | 4,102.5 | 930.5 | 1,318.1 | 1,331.1 | 3,829.0 | 200.5 | |

For footnotes see end of table.

TABLE 5. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY INDUSTRY CLASS, AUSTRALIA, 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 | | | Purchases and transfers in (\$m) | Selected expenses (\$m) | Opening stocks (\$m) | Closing stocks (\$m) | Value added (\$m) | Net capital expenditure (\$m) |
|---|---|--|---|--|---|------------------------------------|----------------|---|-------------------------------|----------------------------|----------------------------|-------------------------|--|
| | | | | | Total sales of goods and transfers out (\$m) | Balance of turnover (\$m) | Total (\$m) | | | | | | |
| WOOD AND PAPER PRODUCT MFG— | | | | | | | | | | | | | |
| Log sawmilling and timber dressing— | | | | | | | | | | | | | |
| 2311 | Log sawmilling | 541 | 10,128 | 255.2 | 1,230.9 | 16.3 | 1,247.2 | 158.9 | 214.7 | 205.5 | 586.3 | 28.5 | |
| 2312 | Wood chipping | 23 | 609 | 24.4 | 310.2 | 2.4 | 312.6 | 46.4 | 30.3 | 41.1 | 126.8 | 5.6 | |
| 2313 | Timber resawing and dressing | 120 | 4,433 | 113.2 | 619.0 | 7.5 | 626.5 | 57.4 | 139.6 | 137.4 | 223.6 | 24.7 | |
| 231 | Total | 684 | 15,169 | 392.8 | 2,160.0 | 26.2 | 2,186.2 | 262.7 | 384.6 | 384.0 | 936.7 | 58.8 | |
| Other wood product mfg— | | | | | | | | | | | | | |
| 2321 | Plywood and veneer mfg | 37 | 1,377 | 37.0 | 188.2 | 0.9 | 189.1 | 12.4 | 25.9 | 19.8 | 78.7 | 3.4 | |
| 2322 | Fabricated wood mfg | 42 | 3,265 | 105.2 | 679.6 | 2.3 | 681.9 | 68.5 | 88.0 | 85.4 | 170.3 | 29.2 | |
| 2323 | Wooden structural component mfg | 1,561 | 15,156 | 366.3 | 1,598.2 | 98.6 | 1,696.8 | 169.4 | 113.7 | 122.3 | 684.5 | 22.4 | |
| 2329 | Wood product mfg n.e.c. | 749 | 4,757 | 100.9 | 427.7 | 16.0 | 443.7 | 40.1 | 40.5 | 41.1 | 207.6 | -29.9 | |
| 232 | Total | 2,389 | 24,555 | 609.3 | 2,893.6 | 117.9 | 3,011.6 | 290.5 | 268.1 | 268.6 | 1,141.1 | 25.1 | |
| Paper and paper product mfg— | | | | | | | | | | | | | |
| 2331 | Pulp, paper and paperboard mfg | 82 | 5,640 | 270.9 | 1,811.4 | 14.7 | 1,826.1 | 258.7 | 169.4 | 182.8 | 742.2 | 159.1 | |
| 2332 | Solid paperboard container mfg | 41 | 2,049 | 66.7 | 313.9 | 3.7 | 317.7 | 30.5 | 38.4 | 39.2 | 149.2 | 18.8 | |
| 2333 | Corrugated paperboard container mfg | 36 | 5,191 | 220.3 | 1,309.8 | 3.2 | 1,312.9 | 81.3 | 68.0 | 73.0 | 414.1 | 49.8 | |
| 2334 | Paper bag and sack mfg | 33 | 1,277 | 37.3 | 287.1 | 1.5 | 288.6 | 12.6 | 32.1 | 31.7 | 107.2 | 7.1 | |
| 2339 | Paper product mfg n.e.c. | 107 | 3,891 | 143.7 | 953.4 | 12.8 | 966.2 | 99.4 | 106.7 | 111.5 | 423.3 | 25.0 | |
| 233 | Total | 299 | 18,048 | 738.9 | 4,675.6 | 35.8 | 4,711.5 | 482.5 | 414.5 | 438.2 | 1,835.9 | 259.8 | |
| 23 | Total wood and paper product mfg | 3,372 | 57,772 | 1,741.0 | 9,729.3 | 179.9 | 9,909.3 | 1,035.7 | 1,067.2 | 1,090.8 | 3,913.7 | 343.6 | |
| PRINTING, PUBLISHING AND RECORDED MEDIA— | | | | | | | | | | | | | |
| Printing and services to printing— | | | | | | | | | | | | | |
| 2411 | Paper stationery mfg | 286 | 8,020 | 240.1 | 1,110.8 | 7.9 | 1,118.7 | 80.6 | 140.2 | 132.7 | 516.2 | 44.7 | |
| 2412 | Printing | 2,129 | 30,513 | 918.0 | 3,518.8 | 53.1 | 3,571.9 | 355.2 | 239.3 | 252.0 | 1,722.7 | 134.8 | |
| 2413 | Services to printing | 707 | 6,848 | 205.5 | 592.3 | 33.6 | 625.9 | 69.8 | 26.1 | 28.4 | 362.7 | 43.8 | |
| 241 | Total | 3,122 | 45,381 | 1,363.7 | 5,221.9 | 94.6 | 5,316.5 | 505.6 | 405.5 | 413.0 | 2,601.5 | 223.3 | |
| Publishing— | | | | | | | | | | | | | |
| 2421 | Newspaper printing or publishing | 617 | 28,142 | 982.4 | 1,467.0 | 2,155.4 | 3,622.4 | 308.3 | 116.3 | 125.6 | 2,382.4 | 312.9 | |
| 2422 | Other periodical publishing | 289 | 4,546 | 147.4 | 711.8 | 190.0 | 901.8 | 154.3 | 40.2 | 40.0 | 454.8 | 14.3 | |
| 2423 | Book and other publishing | 234 | 5,488 | 176.7 | 598.2 | 501.3 | 1,099.5 | 119.8 | 64.0 | 55.7 | 716.4 | 12.7 | |
| 242 | Total | 1,139 | 38,177 | 1,306.5 | 2,776.9 | 2,846.8 | 5,623.7 | 582.5 | 220.5 | 221.3 | 3,553.6 | 339.8 | |
| 243 | Recorded media manufacturing and publishing | 37 | 557 | 17.8 | 380.6 | 4.9 | 385.5 | 4.6 | 35.2 | 37.4 | 258.6 | 18.0 | |
| 24 | Total printing, publishing and recorded media | 4,298 | 84,115 | 2,688.0 | 8,379.4 | 2,946.3 | 11,325.7 | 1,092.7 | 661.3 | 671.8 | 6,413.7 | 581.1 | |

For footnotes see end of table.

TABLE 5. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY INDUSTRY CLASS, AUSTRALIA, 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 | | | Purchases and transfers in (\$m) | Selected expenses (\$m) | Opening stocks (\$m) | Closing stocks (\$m) | Value added (\$m) | Net capital expenditure (\$m) |
|---|--|--|---|--|--|---------------------------|----------------|---|-------------------------------|----------------------------|----------------------------|-------------------------|--|
| | | | | | Total sales and transfers out (\$m) | Balance of turnover | Total (\$m) | | | | | | |
| PETROLEUM, COAL, CHEMICAL AND ASSOCIATED PRODUCT MFG— | | | | | | | | | | | | | |
| 251 | Petroleum refining | 30 | 3,908 | 230.4 | 7,037.4 | 426.4 | 7,463.8 | 5,636.6 | 251.7 | 440.3 | 422.9 | 1,558.0 | 618.5 |
| 252 | Petroleum and coal product mfg n.e.c. | 32 | 484 | 17.7 | 201.2 | 1.7 | 202.9 | 114.8 | 22.5 | 23.1 | 24.6 | 67.3 | 11.0 |
| Basic chemical mfg— | | | | | | | | | | | | | |
| 2531 | Fertiliser mfg | 62 | 2,453 | 101.1 | 1,117.3 | 3.6 | 1,120.9 | 692.3 | 115.9 | 153.8 | 173.2 | 332.0 | 29.6 |
| 2532 | Industrial gas mfg | 17 | 1,198 | 43.7 | 208.8 | 76.5 | 285.4 | 97.4 | 20.7 | 11.9 | 12.5 | 167.8 | 15.1 |
| 2533 | Synthetic resin mfg | 91 | 4,199 | 187.7 | 1,632.2 | 13.8 | 1,646.1 | 1,020.4 | 137.2 | 258.2 | 276.7 | 507.0 | 62.3 |
| 2534 | Organic industrial chemical mfg n.e.c. | 60 | 1,920 | 102.6 | 1,005.0 | 3.6 | 1,008.6 | 609.3 | 96.4 | 102.9 | 99.7 | 299.7 | 28.1 |
| 2535 | Inorganic industrial chemical mfg n.e.c. | 112 | 4,373 | 175.9 | 1,437.9 | 14.5 | 1,452.4 | 779.8 | 174.3 | 198.1 | 225.6 | 525.8 | 174.0 |
| 253 | Total | 342 | 14,144 | 611.0 | 5,401.3 | 112.0 | 5,513.3 | 3,199.1 | 544.5 | 724.9 | 787.6 | 1,832.3 | 309.1 |
| Other chemical product mfg— | | | | | | | | | | | | | |
| 2541 | Explosive mfg | 24 | 1,480 | 64.7 | 443.0 | 10.5 | 453.6 | 209.2 | 28.5 | 69.4 | 58.4 | 204.9 | 51.5 |
| 2542 | Paint mfg | 125 | 5,399 | 188.3 | 1,346.1 | 11.7 | 1,357.9 | 664.4 | 67.1 | 194.8 | 197.0 | 628.6 | 24.2 |
| 2543 | Medicinal and pharmaceutical product mfg | 133 | 11,743 | 429.7 | 3,034.6 | 44.3 | 3,078.9 | 1,584.5 | 115.4 | 524.3 | 558.9 | 1,413.6 | 171.4 |
| 2544 | Pesticide mfg | 28 | 1,000 | 38.6 | 569.8 | 6.9 | 576.8 | 362.5 | 17.2 | 118.3 | 114.2 | 193.0 | 8.5 |
| 2545 | Soap and other detergent mfg | 162 | 3,731 | 116.2 | 1,026.8 | 7.7 | 1,034.5 | 462.9 | 71.8 | 103.8 | 102.6 | 498.6 | 33.3 |
| 2546 | Cosmetic and toiletry preparation mfg | 77 | 2,801 | 92.6 | 637.4 | 2.4 | 639.8 | 245.3 | 37.7 | 89.3 | 86.6 | 354.0 | 13.4 |
| 2547 | Ink mfg | 37 | 994 | 32.8 | 185.0 | 0.4 | 185.5 | 114.5 | 10.4 | 34.4 | 39.5 | 65.6 | 5.8 |
| 2549 | Chemical product mfg n.e.c. | 147 | 3,280 | 105.1 | 689.0 | 4.5 | 693.4 | 364.8 | 51.1 | 96.5 | 94.8 | 275.8 | 17.0 |
| 254 | Total | 734 | 30,427 | 1,068.0 | 7,931.9 | 88.4 | 8,020.3 | 4,008.0 | 399.3 | 1,230.8 | 1,232.0 | 3,634.2 | 325.1 |
| Rubber product mfg— | | | | | | | | | | | | | |
| 2551 | Rubber tyre mfg | 89 | 5,300 | 195.6 | 995.5 | 1.5 | 997.0 | 498.9 | 54.2 | 72.6 | 60.5 | 431.8 | 32.1 |
| 2559 | Rubber product mfg n.e.c. | 160 | 2,571 | 74.1 | 354.8 | 8.3 | 363.1 | 172.5 | 25.8 | 36.6 | 37.1 | 165.2 | -0.1 |
| 255 | Total | 249 | 7,871 | 269.7 | 1,350.3 | 9.8 | 1,360.1 | 671.5 | 80.0 | 109.2 | 97.6 | 597.0 | 32.0 |
| Plastic product mfg— | | | | | | | | | | | | | |
| 2561 | Plastic blow moulded product mfg | 77 | 3,424 | 108.1 | 594.1 | 1.1 | 595.2 | 258.1 | 36.8 | 50.8 | 46.8 | 296.3 | 40.0 |
| 2562 | Plastic extruded product mfg | 108 | 4,215 | 135.4 | 814.7 | 4.5 | 819.2 | 416.7 | 63.2 | 97.9 | 104.0 | 345.4 | 34.4 |
| 2563 | Plastic bag and film mfg | 173 | 6,946 | 238.0 | 1,357.3 | 12.3 | 1,369.5 | 661.3 | 90.0 | 164.4 | 156.5 | 610.4 | 66.7 |
| 2564 | Plastic product, rigid fibre reinforced, mfg | 99 | 1,718 | 48.2 | 243.1 | 1.5 | 244.5 | 129.4 | 18.6 | 33.7 | 37.2 | 100.0 | 7.2 |
| 2565 | Plastic foam product mfg | 55 | 1,433 | 41.3 | 288.3 | 1.0 | 289.3 | 149.7 | 25.0 | 19.7 | 22.5 | 117.4 | 2.9 |
| 2566 | Plastic injection moulded product mfg | 740 | 12,858 | 348.0 | 1,647.8 | 23.9 | 1,671.7 | 701.9 | 141.1 | 155.2 | 154.8 | 828.4 | 50.3 |
| 256 | Total | 1,252 | 30,594 | 918.9 | 4,945.3 | 44.3 | 4,989.6 | 2,317.0 | 374.7 | 521.8 | 521.8 | 2,297.9 | 201.4 |
| 25 | Total petroleum, coal, chemical and associated product mfg | 2,639 | 87,428 | 3,115.7 | 26,867.4 | 682.6 | 27,550.0 | 15,947.0 | 1,672.7 | 3,050.0 | 3,106.4 | 9,986.7 | 1,497.2 |

For footnotes see end of table.

TABLE 5. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY INDUSTRY CLASS, AUSTRALIA, 1992-93—continued

| Industry class ANZSIC code | Description | Establishments at 30 June (No.) | Employment at end of June (c) (No.) | Wages and salaries (d) | | Turnover | | Purchases and transfers in (\$m) | Selected expenses (\$m) | Opening stocks (\$m) | Closing stocks (\$m) | Value added (\$m) | Net capital expenditure (\$m) |
|----------------------------------|--|---------------------------------------|---|---------------------------------|---------|---|------------------------------------|---|-------------------------------|----------------------------|----------------------------|-------------------------|--|
| | | | | (a) | (b) | Total sales of goods and transfers out (\$m) | Balance of turnover (\$m) | | | | | | |
| 261 | NON-METALLIC MINERAL PRODUCT MFG— Glass and glass product mfg | 155 | 5,533 | 204.1 | 1,025.2 | 27.4 | 1,052.6 | 401.7 | 69.5 | 146.1 | 140.8 | 576.1 | 122.9 |
| | Ceramic mfg— | | | | | | | | | | | | |
| 2621 | Clay brick mfg | 90 | 5,234 | 177.1 | 821.6 | 5.4 | 827.1 | 237.1 | 135.4 | 193.8 | 180.5 | 441.3 | 91.8 |
| 2622 | Ceramic product mfg | 33 | 1,021 | 39.8 | 161.6 | 21.6 | 183.1 | 83.2 | 13.7 | 36.9 | 39.4 | 88.6 | 11.0 |
| 2623 | Ceramic tile and pipe mfg | 62 | 1,515 | 46.9 | 190.3 | 13.9 | 204.1 | 59.0 | 39.1 | 39.8 | 39.5 | 105.8 | 10.5 |
| 2629 | Ceramic product mfg n.e.c. | 167 | 2,277 | 59.0 | 222.2 | 2.0 | 224.2 | 84.8 | 19.7 | 33.3 | 34.5 | 120.9 | 9.8 |
| 262 | Total | 351 | 10,047 | 322.8 | 1,395.7 | 42.9 | 1,438.5 | 464.1 | 207.9 | 303.8 | 293.9 | 756.7 | 123.0 |
| | Cement, lime, plaster and concrete product mfg— | | | | | | | | | | | | |
| 2631 | Cement and lime mfg | 20 | 2,328 | 92.8 | 924.0 | 8.3 | 932.3 | 342.3 | 209.0 | 116.6 | 99.7 | 364.1 | 77.5 |
| 2632 | Plaster product mfg | 74 | 2,097 | 75.3 | 596.6 | 8.1 | 604.6 | 285.8 | 34.9 | 40.3 | 40.3 | 289.3 | 17.8 |
| 2633 | Concrete slurry mfg | 244 | 5,031 | 156.3 | 1,842.0 | 40.2 | 1,882.2 | 1,217.8 | 327.6 | 27.2 | 26.8 | 336.4 | 62.8 |
| 2634 | Concrete pipe and box culvert mfg | 42 | 1,500 | 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. | 410 | 7,405 | n.p. | n.p. | n.p. | n.p. | n.p. | n.p. | n.p. | n.p. | n.p. | n.p. |
| 263 | Total | 790 | 18,362 | 601.9 | 4,814.9 | 76.4 | 4,891.3 | 2,390.2 | 774.5 | 330.2 | 323.4 | 1,721.8 | 212.8 |
| 264 | Non-metallic mineral product mfg n.e.c. | 290 | 4,452 | 153.5 | 962.2 | 16.8 | 979.0 | 384.4 | 118.5 | 164.5 | 135.4 | 447.0 | 23.1 |
| 26 | Total non-metallic mineral product mfg | 1,586 | 38,394 | 1,282.4 | 8,198.0 | 163.5 | 8,361.5 | 3,640.5 | 1,170.4 | 944.5 | 895.5 | 3,501.6 | 481.8 |
| | METAL PRODUCT MFG— | | | | | | | | | | | | |
| | Iron and steel mfg— | | | | | | | | | | | | |
| 2711 | Basic iron and steel mfg | 305 | 25,124 | 1,040.7 | 7,438.0 | 185.7 | 7,623.7 | 4,254.7 | 1,072.4 | 1,023.1 | 999.2 | 2,272.6 | 322.6 |
| 2712 | Iron and steel casting and forging | 208 | 6,820 | 207.6 | 825.4 | 10.8 | 836.2 | 336.1 | 73.1 | 98.2 | 103.4 | 432.1 | 23.1 |
| 2713 | Steel pipe and tube mfg | 68 | 2,510 | 90.4 | 638.0 | 15.7 | 653.7 | 393.0 | 60.6 | 107.1 | 98.1 | 191.1 | 20.6 |
| 271 | Total | 580 | 34,454 | 1,338.8 | 8,901.3 | 212.2 | 9,113.5 | 4,983.9 | 1,206.1 | 1,228.4 | 1,200.6 | 2,895.8 | 366.3 |
| | Basic non-ferrous metal mfg— | | | | | | | | | | | | |
| 2721 | Alumina production | 9 | 6,030 | 284.2 | 2,498.1 | 13.2 | 2,511.3 | 1,445.7 | 305.3 | 426.6 | 400.8 | 734.6 | 233.1 |
| 2722 | Aluminium smelting | 19 | 5,393 | 237.4 | 2,018.7 | 60.6 | 2,079.3 | 1,081.1 | 233.3 | 313.3 | 302.5 | 754.1 | 527.9 |
| 2723 | Copper, silver, lead and zinc smelting, refining | 29 | 4,384 | 195.3 | 2,345.6 | 46.0 | 2,391.6 | 1,575.4 | 224.4 | 430.8 | 330.0 | 491.0 | 109.7 |
| 2729 | Basic non-ferrous metal mfg n.e.c. | 48 | 2,631 | 94.1 | 1,556.7 | 12.1 | 1,568.7 | 1,304.3 | 70.6 | 185.8 | 180.4 | 188.4 | 96.0 |
| 272 | Total | 105 | 18,438 | 811.0 | 8,419.0 | 131.9 | 8,550.9 | 5,406.4 | 833.6 | 1,356.4 | 1,213.8 | 2,168.2 | 966.7 |
| | Non-ferrous basic metal product mfg— | | | | | | | | | | | | |
| 2731 | Aluminium rolling, drawing, extruding | 45 | 3,797 | 156.7 | 1,145.6 | 0.8 | 1,146.5 | 699.7 | 74.4 | 107.1 | 114.9 | 380.2 | 66.5 |
| 2732 | Non-ferrous metal rolling, drawing, extruding n.e.c. | 36 | 1,741 | 60.9 | 517.6 | 10.3 | 527.9 | 346.4 | 26.2 | 54.2 | 56.5 | 157.6 | 7.1 |
| 2733 | Non-ferrous metal casting | 91 | 1,963 | 59.0 | 215.5 | 8.1 | 223.6 | 100.6 | 19.0 | 20.2 | 19.6 | 103.4 | 26.1 |
| 273 | Total | 172 | 7,501 | 276.6 | 1,878.8 | 19.2 | 1,898.0 | 1,146.7 | 119.6 | 181.5 | 191.0 | 641.2 | 99.6 |

For footnotes see end of table.

TABLE 5. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY INDUSTRY CLASS, AUSTRALIA, 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 | | Purchases and transfers in (\$m) | Selected expenses (\$m) | Opening stocks (\$m) | Closing stocks (\$m) | Value added (\$m) | Net capital expenditure (\$m) |
|----------------------------------|--|--|---|--|---|------------------------------------|---|-------------------------------|----------------------------|----------------------------|-------------------------|--|
| | | | | | Total sales of goods and transfers out (\$m) | Balance of turnover (\$m) | | | | | | |
| | Structural metal product mfg— | | | | | | | | | | | |
| 2741 | Structural steel fabricating | 922 | 13,076 | 385.1 | 2,174.7 | 111.2 | 2,285.8 | 227.9 | 170.9 | 179.0 | 869.7 | 48.5 |
| 2742 | Architectural aluminium product mfg | 877 | 11,609 | 290.6 | 1,439.6 | 35.5 | 1,475.2 | 121.8 | 123.8 | 132.2 | 557.9 | 15.4 |
| 2749 | Structural metal product mfg n.e.c. | 401 | 3,841 | 98.5 | 473.5 | 26.8 | 500.3 | 45.8 | 39.1 | 39.3 | 215.5 | 6.9 |
| 274 | Total | 2,199 | 28,526 | 774.2 | 4,087.8 | 173.5 | 4,261.3 | 395.5 | 333.8 | 350.5 | 1,643.1 | 70.9 |
| | Sheet metal product mfg— | | | | | | | | | | | |
| 2751 | Metal container mfg | 103 | 4,688 | 167.6 | 1,323.5 | 14.4 | 1,337.9 | 70.7 | 162.8 | 162.2 | 468.3 | 45.4 |
| 2759 | Sheet metal product mfg n.e.c. | 946 | 12,955 | 353.9 | 1,642.8 | 44.7 | 1,687.5 | 114.1 | 149.0 | 152.2 | 722.9 | 34.3 |
| 275 | Total | 1,049 | 17,643 | 521.5 | 2,966.2 | 59.1 | 3,025.3 | 184.9 | 311.9 | 314.4 | 1,191.1 | 79.7 |
| | Fabricated metal product mfg— | | | | | | | | | | | |
| 2761 | Hand tool and general hardware mfg | 204 | 2,314 | 63.1 | 208.7 | 7.9 | 216.6 | 17.0 | 40.6 | 40.2 | 109.4 | 5.0 |
| 2762 | Spring and wire product mfg | 293 | 5,901 | 161.9 | 1,105.0 | 20.3 | 1,125.3 | 84.1 | 121.5 | 122.1 | 369.3 | 19.0 |
| 2763 | Nut, bolt, screw and rivet mfg | 101 | 2,344 | 75.7 | 341.2 | 3.4 | 344.6 | 20.2 | 84.6 | 76.3 | 152.0 | 5.6 |
| 2764 | Metal coating and finishing | 489 | 4,973 | 128.7 | 371.2 | 99.0 | 470.2 | 48.5 | 32.3 | 36.6 | 252.9 | 11.6 |
| 2765 | Non-ferrous pipe fitting mfg | 61 | 2,454 | 71.9 | 266.6 | 5.3 | 271.9 | 18.4 | 61.2 | 56.2 | 140.3 | 3.9 |
| 2769 | Fabricated metal product mfg n.e.c. | 1,556 | 18,597 | 514.2 | 1,814.4 | 218.4 | 2,032.7 | 151.3 | 374.4 | 407.9 | 1,064.6 | 63.0 |
| 276 | Total | 2,702 | 36,584 | 1,015.4 | 4,107.1 | 354.3 | 4,461.4 | 339.6 | 714.6 | 739.4 | 2,088.5 | 108.2 |
| 27 | Total metal product mfg | 6,807 | 143,146 | 4,737.5 | 30,360.2 | 958.2 | 31,310.4 | 3,079.3 | 4,126.6 | 4,009.8 | 10,627.9 | 1,491.4 |
| | MACHINERY AND EQUIPMENT MFG— | | | | | | | | | | | |
| | Motor vehicle and part mfg— | | | | | | | | | | | |
| 2811 | Motor vehicle mfg | 75 | 22,801 | 704.3 | 6,923.1 | 183.7 | 7,106.8 | 201.5 | 948.2 | 918.3 | 1,593.2 | 1,593.4 |
| 2812 | Motor vehicle body mfg | 373 | 5,682 | 139.4 | 572.3 | 81.0 | 653.3 | 35.6 | 67.0 | 70.1 | 276.1 | 13.9 |
| 2813 | Automotive electrical and instrument mfg | 53 | 4,553 | 128.3 | 706.7 | 4.2 | 710.8 | 18.4 | 121.3 | 130.1 | 213.7 | 30.1 |
| 2819 | Automotive component mfg n.e.c. | 774 | 19,453 | 552.3 | 2,075.1 | 97.8 | 2,172.8 | 114.9 | 274.3 | 269.7 | 1,067.8 | 62.8 |
| 281 | Total | 1,275 | 52,490 | 1,524.2 | 10,277.1 | 366.6 | 10,643.7 | 370.4 | 1,410.8 | 1,388.3 | 3,150.8 | 1,700.3 |
| | Other transport equipment mfg— | | | | | | | | | | | |
| 2821 | Shipbuilding | 75 | 5,663 | 230.9 | 1,163.9 | 317.2 | 1,481.2 | 66.3 | 37.3 | 36.8 | 463.8 | 22.9 |
| 2822 | Boatbuilding | 398 | 3,000 | 72.9 | 283.0 | 108.9 | 391.9 | 47.3 | 32.8 | 42.2 | 150.5 | 2.3 |
| 2823 | Railway equipment mfg | 30 | 4,607 | 140.8 | 420.5 | 129.7 | 550.2 | 12.9 | 47.2 | 75.8 | 222.9 | 4.6 |
| 2824 | Aircraft mfg | 192 | 13,411 | 598.2 | 551.7 | 921.1 | 1,472.8 | 83.8 | 539.9 | 538.4 | 814.3 | 81.5 |
| 2829 | Transport equipment mfg n.e.c. | 55 | 495 | 9.5 | 47.4 | 1.0 | 48.4 | 5.0 | 5.4 | 7.4 | 22.3 | 1.9 |
| 282 | Total | 750 | 27,176 | 1,052.3 | 2,466.4 | 1,478.0 | 3,944.4 | 215.3 | 662.5 | 700.5 | 1,674.0 | 113.1 |

For footnotes see end of table.

TABLE 5. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY INDUSTRY CLASS, AUSTRALIA, 1992-93—continued

| Industry class ANZSIC code | Description | Establishments at 30 June (No.) | Employment at end of June (c) (No.) | Wages and salaries (d) (\$m) | Turnover | | | Purchases and transfers in (\$m) | Selected expenses (\$m) | Opening stocks (\$m) | Closing stocks (\$m) | Value added (\$m) | Net capital expenditure (\$m) |
|--|--|---------------------------------------|---|--|---|------------------------------------|----------|---|-------------------------------|----------------------------|----------------------------|-------------------------|--|
| | | | | | Total sales of goods and transfers out (\$m) | Balance of turnover (\$m) | Total | | | | | | |
| Photographic and scientific equipment mfg— | | | | | | | | | | | | | |
| 2831 | Photographic and optical good mfg | 127 | 2,739 | 80.9 | 383.2 | 26.6 | 409.8 | 195.5 | 13.2 | 54.4 | 61.6 | 208.2 | 15.4 |
| 2832 | Medical and surgical equipment mfg | 582 | 3,582 | 96.9 | 252.5 | 43.1 | 295.6 | 91.2 | 23.3 | 53.5 | 47.7 | 175.2 | 19.8 |
| 2839 | Professional and scientific equipment mfg n.e.c. | 189 | 4,795 | 171.0 | 557.9 | 79.6 | 637.5 | 235.8 | 35.0 | 87.2 | 95.8 | 375.4 | 19.9 |
| 283 | Total | 899 | 11,117 | 348.9 | 1,193.6 | 149.3 | 1,342.9 | 522.6 | 71.6 | 195.1 | 205.1 | 758.8 | 55.0 |
| Electronic equipment mfg— | | | | | | | | | | | | | |
| 2841 | Computer and business machine mfg | 111 | 1,988 | 65.5 | 859.3 | 34.9 | 894.2 | 520.7 | 19.6 | 64.5 | 85.6 | 375.1 | 7.7 |
| 2842 | Telecommunication, broadcasting and transceiving equipment mfg | 116 | 7,498 | 310.7 | 1,482.1 | 110.2 | 1,592.3 | 789.5 | 77.8 | 231.1 | 250.9 | 744.7 | 26.4 |
| 2849 | Electronic equipment mfg n.e.c. | 365 | 7,742 | 248.8 | 1,174.9 | 94.8 | 1,269.7 | 651.5 | 60.2 | 222.5 | 206.0 | 541.4 | 44.3 |
| 284 | Total | 593 | 17,229 | 625.0 | 3,516.3 | 240.0 | 3,756.2 | 1,961.6 | 157.7 | 518.1 | 542.5 | 1,661.3 | 78.4 |
| Electrical equipment and appliance mfg— | | | | | | | | | | | | | |
| 2851 | Household appliance mfg | 268 | 12,156 | 337.2 | 1,877.3 | 60.5 | 1,937.9 | 1,010.0 | 94.4 | 290.2 | 285.9 | 829.2 | 37.6 |
| 2852 | Electric cable and wire mfg | 50 | 4,247 | 148.2 | 1,112.6 | 5.9 | 1,118.5 | 617.0 | 51.6 | 118.6 | 149.8 | 481.1 | 25.4 |
| 2853 | Battery mfg | 15 | 1,327 | 36.6 | 242.2 | 4.2 | 246.4 | 119.1 | 13.0 | 48.0 | 50.5 | 116.8 | 5.7 |
| 2854 | Electric light and sign mfg | 188 | 3,283 | 96.5 | 391.2 | 30.7 | 421.9 | 199.7 | 35.1 | 60.7 | 60.5 | 187.0 | 17.1 |
| 2859 | Electrical equipment mfg n.e.c. | 580 | 14,818 | 436.4 | 1,790.7 | 94.9 | 1,885.5 | 935.3 | 97.9 | 338.3 | 354.0 | 867.9 | 41.8 |
| 285 | Total | 1,101 | 35,831 | 1,054.9 | 5,414.0 | 196.2 | 5,610.2 | 2,881.1 | 292.0 | 855.8 | 900.7 | 2,482.0 | 127.6 |
| Industrial machinery and equipment mfg— | | | | | | | | | | | | | |
| 2861 | Agricultural machinery mfg | 344 | 5,503 | 134.5 | 582.6 | 21.0 | 603.6 | 289.5 | 34.7 | 109.0 | 117.4 | 287.8 | 13.7 |
| 2862 | Mining and construction machinery mfg | 174 | 4,100 | 137.8 | 485.4 | 75.9 | 561.3 | 302.9 | 28.7 | 134.6 | 146.9 | 242.0 | 7.6 |
| 2863 | Food processing machinery mfg | 98 | 1,545 | 54.6 | 170.3 | 15.8 | 186.1 | 92.6 | 12.3 | 23.4 | 24.3 | 82.0 | 0.1 |
| 2864 | Machine tool and part mfg | 631 | 7,112 | 205.4 | 621.8 | 36.0 | 657.8 | 231.4 | 54.7 | 69.9 | 108.4 | 410.2 | 16.9 |
| 2865 | Lifting and material handling equipment mfg | 356 | 7,840 | 293.8 | 728.1 | 468.3 | 1,196.3 | 561.0 | 56.8 | 128.1 | 123.3 | 573.8 | 8.0 |
| 2866 | Pump and compressor mfg | 81 | 2,364 | 77.4 | 345.9 | 35.3 | 381.1 | 174.8 | 37.0 | 84.0 | 82.2 | 167.6 | 9.8 |
| 2867 | Commercial space heating and cooling equipment mfg | 73 | 2,243 | 67.0 | 300.7 | 8.5 | 309.2 | 151.2 | 19.0 | 55.8 | 52.8 | 136.1 | 6.4 |
| 2869 | Industrial machinery and equipment mfg n.e.c. | 1,108 | 13,830 | 411.1 | 1,372.0 | 216.1 | 1,588.0 | 663.2 | 127.7 | 202.7 | 217.5 | 812.0 | 36.1 |
| 286 | Total | 2,865 | 44,536 | 1,381.5 | 4,606.7 | 876.7 | 5,483.4 | 2,466.5 | 370.8 | 807.4 | 872.8 | 2,711.5 | 98.6 |
| 28 | Total machinery and equipment mfg | 7,483 | 188,379 | 5,986.8 | 27,474.1 | 3,306.8 | 30,780.9 | 17,024.9 | 1,477.8 | 4,449.7 | 4,609.9 | 12,438.4 | 2,173.0 |
| OTHER MANUFACTURING— | | | | | | | | | | | | | |
| Prefabricated building mfg— | | | | | | | | | | | | | |
| 2911 | Prefabricated metal building mfg | 199 | 1,998 | 49.1 | 298.5 | 22.2 | 320.7 | 180.3 | 47.3 | 20.4 | 25.5 | 98.2 | 7.3 |
| 2919 | Prefabricated building mfg n.e.c. | 66 | 526 | 11.2 | 58.1 | 1.4 | 59.5 | 29.5 | 8.1 | 3.8 | 4.3 | 22.4 | 1.0 |
| 291 | Total | 265 | 2,524 | 60.3 | 356.6 | 23.6 | 380.2 | 209.8 | 55.4 | 24.2 | 29.8 | 120.6 | 8.2 |

For footnotes see end of table.

TABLE 5. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY INDUSTRY CLASS, AUSTRALIA, 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 | | | Purchases and transfers in (\$m) | Selected expenses (\$m) | Opening stocks (\$m) | Closing stocks (\$m) | Value added (\$m) | Net capital expenditure (\$m) |
|-------------------------------------|---|--|---|--|---|------------------------------------|----------------|---|-------------------------------|----------------------------|----------------------------|-------------------------|--|
| | | | | | Total sales of goods and transfers out (\$m) | Balance of turnover (\$m) | Total (\$m) | | | | | | |
| Furniture mfg— | | | | | | | | | | | | | |
| 2921 | Wooden furniture and upholstered seat mfg | 2,620 | 23,480 | 520.9 | 1,982.1 | 112.1 | 2,094.2 | 167.1 | 194.3 | 201.0 | 916.2 | 23.6 | |
| 2922 | Sheet metal furniture mfg | 159 | 2,695 | 77.5 | 308.6 | 10.9 | 319.5 | 26.1 | 34.9 | 36.5 | 138.7 | 4.4 | |
| 2923 | Mattress mfg (except rubber) | 89 | 2,814 | 71.8 | 381.6 | 1.0 | 382.5 | 25.3 | 41.1 | 46.5 | 136.7 | 5.9 | |
| 2929 | Furniture mfg n.e.c. | 399 | 4,842 | 122.8 | 467.7 | 9.9 | 477.5 | 40.5 | 41.4 | 43.3 | 221.4 | 3.5 | |
| 292 | Total | 3,267 | 33,831 | 793.0 | 3,139.9 | 133.9 | 3,273.8 | 259.0 | 311.7 | 327.3 | 1,413.0 | 37.5 | |
| Miscellaneous manufacturing— | | | | | | | | | | | | | |
| 2941 | Jewellery and silverware mfg | 343 | 2,312 | 53.0 | 241.2 | 8.8 | 250.0 | 33.0 | 62.3 | 52.7 | 87.6 | 9.6 | |
| 2942 | Toy and sporting good mfg | 225 | 2,283 | 48.2 | 224.2 | 4.0 | 228.1 | 13.7 | 39.4 | 42.8 | 124.5 | 2.3 | |
| 2949 | Manufacturing n.e.c. | 1,049 | 6,958 | 155.7 | 638.2 | 30.1 | 668.2 | 67.3 | 74.1 | 80.0 | 342.3 | 14.3 | |
| 294 | Total | 1,617 | 11,554 | 256.8 | 1,103.6 | 42.8 | 1,146.4 | 114.0 | 175.8 | 175.5 | 554.4 | 26.1 | |
| 29 | Total other manufacturing | 5,149 | 47,910 | 1,110.2 | 4,600.1 | 200.3 | 4,800.4 | 428.4 | 571.6 | 532.5 | 2,088.0 | 71.9 | |
| 21-29 | TOTAL MANUFACTURING | 38,285 | 881,727 | 27,282.9 | 160,375.9 | 9,549.3 | 169,925.2 | 90,720.9 | 19,543.7 | 19,754.5 | 66,158.0 | 8,575.1 | |

(a) See paragraph 9 of the Explanatory Notes. (b) See paragraphs 5 to 12 of the Explanatory Notes. (c) Includes working proprietors. (d) Excludes the drawings of working proprietors.

TABLE 6. MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATING RATIOS BY INDUSTRY CLASS, AUSTRALIA, 1989-90 AND 1992-93

| Industry class | ANZSIC code | Description | Persons employed per establishment (b) | | Turnover per person employed (c)(d) | | Value added per person employed (c)(d) | | Wages and salaries per employee (d)(e) | | Ratio of— | | | |
|--|-------------|-----------------------------------|--|---------|-------------------------------------|---------|--|---------|--|---------|-----------|---------|---------|---------|
| | | | 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 | 78 | 84 | 183.8 | 208.6 | 56.9 | 58.3 | 24.5 | 29.8 | 0.31 | 0.28 | 0.43 | 0.51 |
| 2112 | | Poultry processing | 74 | 91 | 155.2 | 188.6 | 49.3 | 63.2 | 21.5 | 23.5 | 0.32 | 0.33 | 0.43 | 0.37 |
| 2113 | | Bacon, ham and smallgoods mfg | 48 | 52 | 155.7 | 178.5 | 47.5 | 59.3 | 22.4 | 27.4 | 0.31 | 0.33 | 0.47 | 0.46 |
| 211 | | Total | 71 | 78 | 174.6 | 200.0 | 54.2 | 59.4 | 23.6 | 28.2 | 0.31 | 0.30 | 0.43 | 0.47 |
| Dairy product mfg— | | | | | | | | | | | | | | |
| 2121 | | Milk and cream processing | 90 | 98 | 297.5 | 388.5 | 81.1 | 107.0 | 25.6 | 34.1 | 0.27 | 0.28 | 0.32 | 0.32 |
| 2122 | | Ice cream mfg | 52 | 40 | 201.0 | 291.4 | 95.3 | 116.6 | 19.7 | 35.5 | 0.47 | 0.40 | 0.21 | 0.30 |
| 2129 | | Dairy product mfg n.e.c. | 64 | 70 | 297.1 | 345.4 | 86.6 | 114.7 | 24.9 | 30.4 | 0.29 | 0.33 | 0.29 | 0.26 |
| 212 | | Total | 71 | 73 | 285.5 | 358.0 | 85.3 | 111.6 | 24.6 | 32.6 | 0.30 | 0.31 | 0.29 | 0.29 |
| 213 | | Fruit and vegetable processing | 59 | 58 | 171.1 | 217.4 | 65.3 | 82.2 | 24.5 | 28.5 | 0.38 | 0.38 | 0.37 | 0.34 |
| 214 | | Oil and fat mfg | 61 | 48 | 312.6 | 339.7 | 97.2 | 106.8 | 34.5 | 45.7 | 0.31 | 0.31 | 0.35 | 0.43 |
| Flour mill and cereal food mfg— | | | | | | | | | | | | | | |
| 2151 | | Flour mill product mfg | 58 | 55 | 337.5 | 414.9 | 93.7 | 123.2 | 29.9 | 36.3 | 0.28 | 0.30 | 0.32 | 0.29 |
| 2152 | | Cereal food and baking mix mfg | 54 | 59 | 231.2 | 263.1 | 100.4 | 116.6 | 30.0 | 29.5 | 0.43 | 0.44 | 0.30 | 0.25 |
| 215 | | Total | 55 | 58 | 268.3 | 316.2 | 98.1 | 119.0 | 30.0 | 31.9 | 0.37 | 0.38 | 0.30 | 0.27 |
| Bakery product mfg— | | | | | | | | | | | | | | |
| 2161 | | Bread mfg | 25 | 27 | 88.2 | 99.8 | 42.2 | 48.6 | 22.2 | 26.2 | 0.48 | 0.49 | 0.51 | 0.51 |
| 2162 | | Cake and pastry mfg | 22 | 19 | 69.0 | 89.4 | 33.9 | 42.4 | 18.4 | 22.1 | 0.49 | 0.47 | 0.52 | 0.50 |
| 2163 | | Biscuit mfg | 120 | 113 | 103.9 | 124.0 | 55.0 | 69.6 | 24.7 | 27.6 | 0.53 | 0.56 | 0.45 | 0.39 |
| 216 | | Total | 28 | 27 | 84.6 | 100.9 | 41.8 | 50.5 | 21.4 | 25.1 | 0.49 | 0.50 | 0.50 | 0.48 |
| Other food mfg— | | | | | | | | | | | | | | |
| 2171 | | Sugar mfg | 171 | 164 | 288.3 | 309.6 | 92.8 | 92.0 | 30.1 | 34.4 | 0.32 | 0.30 | 0.32 | 0.37 |
| 2172 | | Confectionery mfg | 53 | 46 | 149.4 | 167.5 | 72.8 | 77.6 | 26.1 | 31.8 | 0.49 | 0.46 | 0.36 | 0.41 |
| 2173 | | Seafood processing | 29 | 33 | 217.0 | 249.5 | 81.4 | 66.5 | 20.0 | 20.8 | 0.37 | 0.27 | 0.24 | 0.31 |
| 2174 | | Prepared animal and bird feed mfg | 32 | 24 | 336.2 | 437.1 | 107.1 | 89.2 | 23.5 | 36.5 | 0.32 | 0.20 | 0.22 | 0.40 |
| 2179 | | Food mfg n.e.c. | 38 | 34 | 165.7 | 174.8 | 79.1 | 78.5 | 26.7 | 28.4 | 0.48 | 0.45 | 0.34 | 0.36 |
| 217 | | Total | 44 | 40 | 217.8 | 244.9 | 84.8 | 80.9 | 26.0 | 30.5 | 0.39 | 0.33 | 0.31 | 0.37 |

For footnotes see end of table.

TABLE 6. MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATING RATIOS BY INDUSTRY CLASS, AUSTRALIA, 1989-90 AND 1992-93—continued

| Industry class ANZSIC code | Description | Persons employed per establishment (b) | | Turnover per person employed (c)(d) | | Value added per person employed (c)(d) | | Wages and salaries per employee (d)(e) | | Ratio of— | |
|----------------------------------|---|--|---------|---|---------|--|---------|--|---------|----------------------------|---|
| | | 1989-90 | 1992-93 | 1989-90 | 1992-93 | 1989-90 | 1992-93 | 1989-90 | 1992-93 | Value added to turnover | Wages and salaries to value added |
| | Beverage and malt mfg— | | | | | | | | | | |
| 2181 | Soft drink, cordial and syrup mfg | 48 | 57 | 286.5 | 308.8 | 102.6 | 93.8 | 27.8 | 34.2 | 0.36 | 0.27 |
| 2182 | Beer and malt mfg | 160 | 147 | 331.6 | 488.3 | 171.2 | 255.0 | 37.5 | 49.1 | 0.52 | 0.22 |
| 2183 | Wine mfg | 22 | 29 | 172.4 | 210.5 | 86.2 | 102.9 | 22.3 | 25.8 | 0.50 | 0.25 |
| 2184 | Spirit mfg | 30 | 32 | 266.2 | 406.8 | 106.8 | 141.4 | 29.0 | 37.9 | 0.40 | 0.27 |
| 218 | Total | 44 | 49 | 269.5 | 330.3 | 123.7 | 140.6 | 29.9 | 35.9 | 0.46 | 0.24 |
| 219 | Tobacco product mfg | 735 | 480 | 272.3 | 295.8 | 157.9 | 168.6 | 33.9 | 44.4 | 0.58 | 0.21 |
| 21 | Total food, beverage and tobacco mfg | 48 | 48 | 194.0 | 230.5 | 73.2 | 82.0 | 25.1 | 30.0 | 0.38 | 0.34 |
| | TEXTILE, CLOTHING, FOOTWEAR AND LEATHER MFG— | | | | | | | | | | |
| | Textile fibre, yarn and woven fabric mfg— | | | | | | | | | | |
| 2211 | Wool scouring | 55 | 75 | 264.8 | 234.4 | 52.4 | 84.6 | 28.3 | 34.3 | 0.20 | 0.54 |
| 2212 | Synthetic fibre textile mfg | 67 | 54 | 119.8 | 145.7 | 54.6 | 62.2 | 25.4 | 33.0 | 0.46 | 0.46 |
| 2213 | Cotton textile mfg | 63 | 43 | 98.3 | 131.2 | 46.2 | 57.1 | 25.0 | 28.8 | 0.47 | 0.54 |
| 2214 | Wool textile mfg | 125 | 101 | 102.7 | 117.0 | 38.2 | 45.6 | 23.7 | 25.8 | 0.37 | 0.62 |
| 2215 | Textile finishing | 26 | 27 | 122.5 | 138.5 | 55.5 | 66.8 | 26.8 | 30.8 | 0.45 | 0.48 |
| 221 | Total | 59 | 51 | 123.7 | 146.2 | 49.0 | 61.1 | 25.4 | 30.6 | 0.40 | 0.52 |
| | Textile product mfg— | | | | | | | | | | |
| 2221 | Made-up textile product mfg | 12 | 12 | 84.5 | 105.6 | 35.4 | 41.1 | 19.9 | 23.6 | 0.42 | 0.54 |
| 2222 | Textile floor covering mfg | 53 | 43 | 170.7 | 175.1 | 62.5 | 73.1 | 26.0 | 29.9 | 0.37 | 0.41 |
| 2223 | Rope, cordage and twine mfg | 16 | 23 | 116.4 | 158.6 | 60.9 | 96.5 | 26.0 | 28.4 | 0.52 | 0.42 |
| 2229 | Textile product mfg n.e.c. | 26 | 14 | 171.9 | 170.8 | 83.6 | 75.9 | 25.9 | 25.8 | 0.49 | 0.31 |
| 222 | Total | 19 | 17 | 133.3 | 141.8 | 55.3 | 60.0 | 23.5 | 26.4 | 0.41 | 0.42 |
| | Knitting mills— | | | | | | | | | | |
| 2231 | Hosiery mfg | 94 | 79 | 77.0 | 97.0 | 43.7 | 56.6 | 23.2 | 26.0 | 0.57 | 0.53 |
| 2232 | Cardigan and pullover mfg | 29 | 18 | 68.2 | 79.6 | 30.2 | 38.5 | 19.8 | 22.2 | 0.44 | 0.65 |
| 2239 | Knitting mill product mfg n.e.c. | 44 | 25 | 102.5 | 159.6 | 44.7 | 63.7 | 21.6 | 28.4 | 0.44 | 0.48 |
| 223 | Total | 44 | 31 | 86.7 | 118.2 | 40.5 | 55.6 | 21.5 | 26.1 | 0.47 | 0.53 |
| | Clothing mfg— | | | | | | | | | | |
| 2241 | Men's and boys' wear mfg | 45 | 27 | 63.7 | 80.8 | 33.2 | 41.5 | 19.0 | 22.5 | 0.52 | 0.57 |
| 2242 | Women's and girls' wear mfg | 14 | 11 | 90.4 | 110.6 | 37.1 | 40.3 | 18.7 | 21.8 | 0.41 | 0.36 |
| 2243 | Sleepwear, underwear and infant clothing mfg | 68 | 75 | 77.5 | 91.5 | 45.2 | 53.0 | 19.7 | 24.4 | 0.58 | 0.43 |
| 2249 | Clothing mfg n.e.c. | 13 | 11 | 60.0 | 92.3 | 26.3 | 41.0 | 14.9 | 22.4 | 0.44 | 0.54 |
| 224 | Total | 21 | 16 | 71.7 | 94.2 | 31.6 | 42.9 | 18.1 | 22.6 | 0.47 | 0.53 |

For footnotes see end of table.

TABLE 6. MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATING RATIOS BY INDUSTRY CLASS, AUSTRALIA, 1989-90 AND 1992-93—continued

| Industry class ANZSIC code | Description | Persons employed per establishment (b) | | Turnover per person employed (c)(d) | | Value added per person employed (c)(d) | | Wages and salaries per employee (d)(e) | | Ratio of— | | | |
|-------------------------------|---|--|---------|-------------------------------------|---------|--|---------|--|---------|-----------|---------|------|------|
| | | 1989-90 | 1992-93 | 1989-90 | 1992-93 | 1989-90 | 1992-93 | 1989-90 | 1992-93 | 1989-90 | 1992-93 | | |
| 225 | Footwear mfg | 44 | 34 | 70.3 | 84.2 | 35.5 | 42.3 | 20.3 | 22.7 | 0.51 | 0.50 | 0.57 | 0.53 |
| | Leather and leather product mfg— | | | | | | | | | | | | |
| 2261 | Leather tanning and fur dressing | 24 | 25 | 232.7 | 232.5 | 47.0 | 58.8 | 25.1 | 28.6 | 0.20 | 0.25 | 0.53 | 0.48 |
| 2262 | Leather and leather substitute product mfg | 8 | 9 | 68.9 | 81.1 | 33.7 | 41.0 | 20.0 | 21.4 | 0.49 | 0.51 | 0.56 | 0.48 |
| 226 | Total | 15 | 17 | 184.9 | 193.7 | 43.1 | 54.2 | 23.7 | 26.8 | 0.23 | 0.28 | 0.54 | 0.48 |
| 22 | Total textile, clothing, footwear and leather mfg | 26 | 21 | 92.9 | 116.3 | 40.2 | 50.3 | 20.8 | 25.2 | 0.43 | 0.43 | 0.51 | 0.48 |
| | WOOD AND PAPER PRODUCT MFG— | | | | | | | | | | | | |
| | Log sawmilling and timber dressing— | | | | | | | | | | | | |
| 2311 | Log sawmilling | 17 | 19 | 93.3 | 124.9 | 56.3 | 58.7 | 21.9 | 26.7 | 0.60 | 0.47 | 0.37 | 0.44 |
| 2312 | Wood chipping | 41 | 26 | 375.5 | 488.4 | 141.1 | 198.0 | 32.3 | 39.0 | 0.38 | 0.41 | 0.23 | 0.19 |
| 2313 | Timber resawing and dressing | 36 | 37 | 115.6 | 144.1 | 51.5 | 51.4 | 25.0 | 26.3 | 0.45 | 0.36 | 0.48 | 0.51 |
| 231 | Total | 21 | 22 | 116.5 | 146.0 | 60.0 | 62.6 | 23.4 | 27.1 | 0.51 | 0.43 | 0.38 | 0.42 |
| | Other wood product mfg— | | | | | | | | | | | | |
| 2321 | Plywood and veneer mfg | 35 | 37 | 126.3 | 146.3 | 47.1 | 60.9 | 26.1 | 28.7 | 0.37 | 0.42 | 0.55 | 0.47 |
| 2322 | Fabricated wood mfg | 84 | 78 | 171.9 | 211.5 | 55.1 | 52.8 | 29.2 | 32.7 | 0.32 | 0.25 | 0.53 | 0.62 |
| 2323 | Wooden structural component mfg | 9 | 10 | 91.7 | 112.1 | 38.1 | 45.2 | 21.8 | 25.9 | 0.42 | 0.40 | 0.54 | 0.54 |
| 2329 | Wood product mfg n.e.c. | 8 | 6 | 81.3 | 92.7 | 37.2 | 43.4 | 20.1 | 24.0 | 0.46 | 0.47 | 0.50 | 0.49 |
| 232 | Total | 10 | 10 | 102.1 | 123.2 | 40.7 | 46.7 | 22.7 | 26.7 | 0.40 | 0.38 | 0.53 | 0.53 |
| | Paper and paper product mfg— | | | | | | | | | | | | |
| 2331 | Pulp, paper and paperboard mfg | 113 | 69 | 261.4 | 313.6 | 108.9 | 127.5 | 37.5 | 46.9 | 0.42 | 0.41 | 0.34 | 0.37 |
| 2332 | Solid paperboard container mfg | 52 | 50 | 140.0 | 153.6 | 69.7 | 72.1 | 31.8 | 32.3 | 0.50 | 0.47 | 0.46 | 0.45 |
| 2333 | Corrugated paperboard container mfg | 85 | 144 | 184.9 | 252.0 | 64.1 | 79.5 | 31.6 | 42.3 | 0.35 | 0.32 | 0.49 | 0.53 |
| 2334 | Paper bag and sack mfg | 41 | 39 | 168.0 | 217.7 | 65.9 | 80.8 | 25.9 | 28.2 | 0.39 | 0.37 | 0.39 | 0.35 |
| 2339 | Paper product mfg n.e.c. | 51 | 36 | 171.6 | 239.8 | 68.3 | 105.1 | 30.7 | 36.0 | 0.40 | 0.44 | 0.45 | 0.34 |
| 233 | Total | 72 | 60 | 206.2 | 255.3 | 82.6 | 99.5 | 33.3 | 40.2 | 0.40 | 0.39 | 0.40 | 0.40 |
| 23 | Total wood and paper product mfg | 17 | 17 | 137.7 | 171.2 | 58.3 | 67.6 | 26.3 | 31.3 | 0.42 | 0.39 | 0.44 | 0.44 |
| | PRINTING, PUBLISHING AND RECORDED MEDIA— | | | | | | | | | | | | |
| | Printing and services to printing— | | | | | | | | | | | | |
| 2411 | Paper stationery mfg | 26 | 28 | 109.2 | 140.4 | 52.0 | 64.8 | 24.8 | 30.4 | 0.48 | 0.46 | 0.47 | 0.47 |
| 2412 | Printing | 14 | 14 | 100.9 | 117.1 | 48.2 | 56.5 | 26.8 | 30.7 | 0.48 | 0.48 | 0.54 | 0.53 |
| 2413 | Services to printing | 10 | 10 | 76.7 | 92.1 | 47.7 | 53.4 | 28.2 | 31.1 | 0.62 | 0.58 | 0.58 | 0.57 |
| 241 | Total | 14 | 15 | 99.1 | 117.4 | 48.9 | 57.5 | 26.6 | 30.7 | 0.49 | 0.49 | 0.53 | 0.52 |

For footnotes see end of table.

TABLE 6. MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATING RATIOS BY INDUSTRY CLASS, AUSTRALIA, 1989-90 AND 1992-93—continued

| Industry class ANZSIC code | Description | Persons employed per establishment (b) | | Turnover per person employed (c)(d) | | Value added per person employed (c)(d) (\$'000) | | Wages and salaries per employee (d)(e) (\$'000) | | Ratio of— | | | |
|--|---|--|---------|-------------------------------------|---------|---|---------|---|---------|-------------------------|-----------------------------------|------|------|
| | | 1989-90 | 1992-93 | 1989-90 | 1992-93 | 1989-90 | 1992-93 | 1989-90 | 1992-93 | Value added to turnover | Wages and salaries to value added | | |
| Publishing— | | | | | | | | | | | | | |
| 2421 | Newspaper printing or publishing | 45 | 46 | 111.7 | 129.4 | 71.2 | 85.1 | 28.6 | 35.4 | 0.64 | 0.66 | 0.40 | 0.41 |
| 2422 | Other periodical publishing | 24 | 16 | 235.0 | 198.2 | 144.3 | 100.0 | 27.6 | 33.2 | 0.61 | 0.50 | 0.19 | 0.32 |
| 2423 | Book and other publishing | 21 | 23 | 152.6 | 202.0 | 136.6 | 131.6 | 30.2 | 32.7 | 0.90 | 0.65 | 0.22 | 0.25 |
| 242 | Total | 37 | 34 | 125.6 | 148.1 | 84.8 | 93.6 | 28.8 | 34.8 | 0.67 | 0.63 | 0.34 | 0.37 |
| 243 | Recorded media manufacturing and publishing | 67 | 15 | 313.4 | 706.8 | 200.1 | 474.0 | 26.4 | 32.7 | 0.64 | 0.67 | 0.13 | 0.07 |
| 24 | Total printing, publishing and recorded media | 20 | 20 | 113.0 | 135.1 | 66.1 | 76.5 | 27.6 | 32.6 | 0.59 | 0.57 | 0.41 | 0.42 |
| PETROLEUM, COAL, CHEMICAL AND ASSOCIATED PRODUCT MFG— | | | | | | | | | | | | | |
| 251 | Petroleum refining | 188 | 130 | 1,701.7 | 1,909.7 | 435.5 | 398.6 | 46.3 | 59.0 | 0.26 | 0.21 | 0.11 | 0.15 |
| 252 | Petroleum and coal product mfg n.e.c. | 15 | 15 | 317.0 | 390.7 | 108.0 | 129.5 | 31.4 | 34.3 | 0.34 | 0.33 | 0.29 | 0.26 |
| Basic chemical mfg— | | | | | | | | | | | | | |
| 2531 | Fertiliser mfg | 53 | 40 | 353.2 | 450.0 | 80.4 | 133.3 | 32.7 | 40.7 | 0.23 | 0.30 | 0.41 | 0.30 |
| 2532 | Industrial gas mfg | 52 | 70 | 285.4 | 231.0 | 172.4 | 135.8 | 31.7 | 35.4 | 0.60 | 0.59 | 0.18 | 0.26 |
| 2533 | Synthetic resin mfg | 48 | 46 | 393.9 | 391.4 | 128.5 | 120.6 | 43.0 | 44.8 | 0.33 | 0.31 | 0.33 | 0.37 |
| 2534 | Organic industrial chemical mfg n.e.c. | 48 | 32 | 344.3 | 521.9 | 115.4 | 155.0 | 36.3 | 53.1 | 0.34 | 0.30 | 0.31 | 0.34 |
| 2535 | Inorganic industrial chemical mfg n.e.c. | 45 | 39 | 285.3 | 329.9 | 127.0 | 119.4 | 34.5 | 40.0 | 0.44 | 0.36 | 0.27 | 0.33 |
| 253 | Total | 48 | 41 | 341.1 | 386.4 | 120.2 | 128.4 | 36.8 | 42.9 | 0.35 | 0.33 | 0.31 | 0.33 |
| Other chemical product mfg— | | | | | | | | | | | | | |
| 2541 | Explosive mfg | 97 | 62 | 194.2 | 294.9 | 94.2 | 133.2 | 31.4 | 42.2 | 0.49 | 0.45 | 0.33 | 0.32 |
| 2542 | Paint mfg | 43 | 43 | 222.1 | 248.4 | 96.1 | 115.0 | 28.6 | 34.4 | 0.43 | 0.46 | 0.30 | 0.30 |
| 2543 | Medicinal and pharmaceutical product mfg | 66 | 88 | 195.9 | 265.9 | 93.3 | 122.1 | 31.6 | 37.1 | 0.48 | 0.46 | 0.34 | 0.30 |
| 2544 | Pesticide mfg | 37 | 36 | 528.6 | 574.4 | 236.9 | 192.2 | 40.1 | 38.7 | 0.45 | 0.33 | 0.17 | 0.20 |
| 2545 | Soap and other detergent mfg | 26 | 23 | 251.3 | 275.1 | 117.1 | 132.6 | 32.0 | 31.3 | 0.47 | 0.48 | 0.27 | 0.23 |
| 2546 | Cosmetic and toiletry preparation mfg | 39 | 36 | 187.9 | 224.7 | 108.2 | 124.3 | 28.0 | 32.7 | 0.58 | 0.55 | 0.26 | 0.26 |
| 2547 | Ink mfg | 35 | 27 | 183.2 | 190.0 | 86.1 | 67.2 | 29.1 | 33.8 | 0.47 | 0.35 | 0.34 | 0.50 |
| 2549 | Chemical product mfg n.e.c. | 20 | 22 | 201.4 | 207.1 | 85.5 | 82.4 | 27.4 | 31.5 | 0.42 | 0.40 | 0.32 | 0.38 |
| 254 | Total | 40 | 41 | 218.6 | 262.8 | 102.4 | 119.1 | 30.4 | 35.1 | 0.47 | 0.45 | 0.30 | 0.29 |
| Rubber product mfg— | | | | | | | | | | | | | |
| 2551 | Rubber tyre mfg | 62 | 60 | 153.3 | 192.5 | 82.7 | 83.4 | 29.5 | 37.9 | 0.54 | 0.43 | 0.36 | 0.45 |
| 2559 | Rubber product mfg n.e.c. | 26 | 16 | 109.3 | 142.3 | 55.2 | 64.8 | 25.2 | 29.4 | 0.51 | 0.46 | 0.45 | 0.45 |
| 255 | Total | 39 | 32 | 133.4 | 176.0 | 70.3 | 77.2 | 27.6 | 35.1 | 0.53 | 0.44 | 0.39 | 0.45 |

For footnotes see end of table.

TABLE 6. MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATING RATIOS BY INDUSTRY CLASS, AUSTRALIA, 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— | | | |
|----------------------------------|--|---|---------|---|---------|--|---------|--|---------|----------------------------|---------|---------|---------|
| | | 1989-90 | 1992-93 | 1989-90 | 1992-93 | 1989-90 | 1992-93 | 1989-90 | 1992-93 | Value added to turnover | 1989-90 | 1992-93 | 1989-90 |
| | Plastic product mfg— | | | | | | | | | | | | |
| 2561 | Plastic blow moulded product mfg | 56 | 44 | 137.9 | 174.2 | 61.9 | 86.7 | 23.4 | 31.7 | 0.45 | 0.50 | 0.38 | 0.36 |
| 2562 | Plastic extruded product mfg | 37 | 39 | 166.3 | 196.5 | 68.3 | 82.8 | 28.6 | 32.7 | 0.41 | 0.42 | 0.42 | 0.39 |
| 2563 | Plastic bag and film mfg | 36 | 40 | 175.3 | 196.9 | 76.5 | 87.7 | 28.4 | 34.3 | 0.44 | 0.45 | 0.37 | 0.39 |
| 2564 | Plastic product, rigid fibre reinforced, mfg | 29 | 17 | 152.0 | 147.3 | 76.0 | 60.2 | 28.5 | 29.9 | 0.50 | 0.41 | 0.37 | 0.48 |
| 2565 | Plastic foam product mfg | 33 | 26 | 146.0 | 203.7 | 50.6 | 82.7 | 25.4 | 29.0 | 0.35 | 0.41 | 0.50 | 0.35 |
| 2566 | Plastic injection moulded product mfg | 17 | 17 | 111.0 | 129.9 | 50.6 | 64.4 | 23.4 | 27.4 | 0.46 | 0.50 | 0.46 | 0.42 |
| 256 | Total | 25 | 24 | 138.3 | 163.6 | 60.7 | 75.4 | 25.5 | 30.4 | 0.44 | 0.46 | 0.42 | 0.40 |
| 25 | Total petroleum, coal, chemical and associated product mfg | 34 | 33 | 269.8 | 315.1 | 102.5 | 114.2 | 30.1 | 35.8 | 0.38 | 0.36 | 0.29 | 0.31 |
| | NON-METALLIC MINERAL PRODUCT MFG— | | | | | | | | | | | | |
| 261 | Glass and glass product mfg | 38 | 36 | 171.2 | 186.5 | 104.1 | 102.1 | 33.2 | 37.1 | 0.61 | 0.55 | 0.32 | 0.35 |
| | Ceramic mfg— | | | | | | | | | | | | |
| 2621 | Clay brick mfg | 56 | 58 | 136.4 | 158.2 | 89.6 | 84.4 | 30.8 | 34.0 | 0.66 | 0.53 | 0.34 | 0.40 |
| 2622 | Ceramic product mfg | 45 | 31 | 146.8 | 177.6 | 69.8 | 85.9 | 32.2 | 39.0 | 0.48 | 0.48 | 0.46 | 0.45 |
| 2623 | Ceramic tile and pipe mfg | 35 | 24 | 94.8 | 131.4 | 53.6 | 68.1 | 27.3 | 31.0 | 0.57 | 0.52 | 0.51 | 0.44 |
| 2629 | Ceramic product mfg n.e.c. | 12 | 14 | 64.3 | 99.9 | 41.1 | 53.9 | 23.2 | 29.1 | 0.64 | 0.54 | 0.53 | 0.49 |
| 262 | Total | 30 | 29 | 114.6 | 143.1 | 70.6 | 75.2 | 28.8 | 33.0 | 0.62 | 0.53 | 0.40 | 0.43 |
| | Cement, lime, plaster and concrete product mfg— | | | | | | | | | | | | |
| 2631 | Cement and lime mfg | 136 | 116 | 297.7 | 384.8 | 136.0 | 150.3 | 33.5 | 38.3 | 0.46 | 0.39 | 0.25 | 0.25 |
| 2632 | Plaster product mfg | 22 | 28 | 282.7 | 296.9 | 135.8 | 142.1 | 32.2 | 37.6 | 0.48 | 0.48 | 0.23 | 0.26 |
| 2633 | Concrete slurry mfg | 10 | 21 | 432.5 | 375.8 | 84.0 | 67.2 | 28.1 | 31.7 | 0.19 | 0.18 | 0.33 | 0.46 |
| 2634 | Concrete pipe and box culvert mfg | 41 | 36 | 136.8 | n.p. | 73.0 | n.p. | 30.0 | n.p. | 0.53 | n.p. | 0.41 | n.p. |
| 2635 | Concrete product mfg n.e.c. | 20 | 18 | 142.4 | n.p. | 67.3 | n.p. | 28.6 | n.p. | 0.47 | n.p. | 0.42 | n.p. |
| 263 | Total | 19 | 23 | 240.6 | 268.3 | 87.7 | 94.4 | 29.7 | 33.6 | 0.36 | 0.35 | 0.33 | 0.35 |
| 264 | Non-metallic mineral product mfg n.e.c. | 17 | 15 | 147.1 | 218.6 | 75.8 | 99.8 | 28.2 | 35.2 | 0.51 | 0.46 | 0.36 | 0.34 |
| 26 | Total non-metallic mineral product mfg | 23 | 24 | 185.1 | 217.7 | 84.2 | 91.2 | 29.8 | 34.2 | 0.45 | 0.42 | 0.35 | 0.37 |
| | METAL PRODUCT MFG— | | | | | | | | | | | | |
| | iron and steel mfg— | | | | | | | | | | | | |
| 2711 | Basic iron and steel mfg | 112 | 82 | 264.9 | 307.1 | 81.6 | 91.5 | 35.1 | 42.1 | 0.31 | 0.30 | 0.43 | 0.46 |
| 2712 | Iron and steel casting and forging | 41 | 33 | 116.3 | 123.2 | 57.3 | 63.6 | 29.5 | 30.7 | 0.49 | 0.52 | 0.51 | 0.48 |
| 2713 | Steel pipe and tube mfg | 42 | 37 | 228.7 | 259.2 | 80.0 | 75.8 | 31.3 | 35.9 | 0.35 | 0.29 | 0.39 | 0.47 |
| 271 | Total | 76 | 59 | 231.5 | 267.0 | 76.4 | 84.8 | 33.7 | 39.4 | 0.33 | 0.32 | 0.44 | 0.46 |

For footnotes see end of table.

TABLE 6. MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATING RATIOS BY INDUSTRY CLASS, AUSTRALIA, 1989-90 AND 1992-93—continued

| Industry class ANZSIC code | Description | Persons employed per establishment (b) | | Turnover per person employed (c)(d) | | Value added per person employed (c)(d) | | Wages and salaries per employee (d)(e) | | Ratio of— | | | |
|---|--|--|---------|-------------------------------------|---------|--|---------|--|---------|-------------------------|---------|---------|------|
| | | 1989-90 | 1992-93 | 1989-90 | 1992-93 | 1989-90 | 1992-93 | 1989-90 | 1992-93 | Value added to turnover | 1989-90 | 1992-93 | |
| Basic non-ferrous metal mfg— | | | | | | | | | | | | | |
| 2721 | Alumina production | 732 | 670 | 478.3 | 419.3 | 289.3 | 122.6 | 40.2 | 47.5 | 0.60 | 0.29 | 0.14 | 0.39 |
| 2722 | Aluminium smelting | 647 | 284 | 457.0 | 377.8 | 229.7 | 137.0 | 40.2 | 43.1 | 0.50 | 0.36 | 0.17 | 0.31 |
| 2723 | Copper, silver, lead and zinc smelting, refining | 216 | 151 | 573.3 | 526.3 | 167.9 | 108.1 | 36.5 | 43.0 | 0.29 | 0.21 | 0.22 | 0.40 |
| 2729 | Basic non-ferrous metal mfg n.e.c. | 51 | 55 | 564.6 | 590.3 | 124.8 | 70.9 | 32.8 | 35.6 | 0.22 | 0.12 | 0.26 | 0.50 |
| 272 | Total | 207 | 176 | 508.7 | 457.4 | 217.0 | 116.0 | 38.2 | 43.4 | 0.43 | 0.25 | 0.18 | 0.37 |
| Non-ferrous basic metal product mfg— | | | | | | | | | | | | | |
| 2731 | Aluminium rolling, drawing, extruding | 109 | 84 | 295.3 | 300.8 | 76.4 | 99.7 | 32.5 | 41.2 | 0.26 | 0.33 | 0.43 | 0.41 |
| 2732 | Non-ferrous metal rolling, drawing, extruding n.e.c. | 78 | 48 | 280.8 | 302.7 | 86.0 | 90.4 | 29.0 | 35.1 | 0.31 | 0.30 | 0.34 | 0.39 |
| 2733 | Non-ferrous metal casting | 19 | 22 | 96.6 | 115.0 | 40.2 | 53.2 | 28.7 | 30.7 | 0.42 | 0.46 | 0.71 | 0.57 |
| 273 | Total | 50 | 44 | 248.3 | 253.1 | 71.5 | 85.5 | 30.7 | 37.1 | 0.29 | 0.34 | 0.43 | 0.43 |
| Structural metal product mfg— | | | | | | | | | | | | | |
| 2741 | Structural steel fabricating | 18 | 14 | 155.8 | 179.5 | 57.1 | 68.3 | 28.0 | 31.5 | 0.37 | 0.38 | 0.48 | 0.44 |
| 2742 | Architectural aluminium product mfg | 17 | 13 | 115.9 | 127.6 | 37.4 | 48.3 | 22.8 | 26.2 | 0.32 | 0.38 | 0.60 | 0.52 |
| 2749 | Structural metal product mfg n.e.c. | 12 | 10 | 111.4 | 128.7 | 46.6 | 55.4 | 24.2 | 26.8 | 0.42 | 0.43 | 0.50 | 0.46 |
| 274 | Total | 16 | 13 | 134.0 | 151.2 | 48.0 | 58.3 | 25.5 | 28.7 | 0.36 | 0.39 | 0.52 | 0.47 |
| Sheet metal product mfg— | | | | | | | | | | | | | |
| 2751 | Metal container mfg | 45 | 46 | 212.5 | 279.0 | 85.1 | 97.7 | 29.5 | 35.0 | 0.40 | 0.35 | 0.34 | 0.36 |
| 2759 | Sheet metal product mfg n.e.c. | 16 | 14 | 117.2 | 130.8 | 52.2 | 56.0 | 25.5 | 28.0 | 0.45 | 0.43 | 0.48 | 0.49 |
| 275 | Total | 18 | 17 | 136.1 | 171.0 | 58.8 | 67.3 | 26.3 | 30.0 | 0.43 | 0.39 | 0.44 | 0.44 |
| Fabricated metal product mfg— | | | | | | | | | | | | | |
| 2761 | Hand tool and general hardware mfg | 12 | 11 | 79.9 | 93.6 | 43.2 | 47.3 | 24.0 | 27.8 | 0.54 | 0.51 | 0.55 | 0.58 |
| 2762 | Spring and wire product mfg | 22 | 20 | 109.6 | 191.9 | 54.9 | 63.0 | 34.5 | 28.0 | 0.50 | 0.33 | 0.44 | 0.44 |
| 2763 | Nut, bolt, screw and rivet mfg | 30 | 23 | 115.0 | 148.2 | 52.3 | 65.3 | 27.0 | 33.0 | 0.46 | 0.44 | 0.51 | 0.50 |
| 2764 | Metal coating and finishing | 11 | 10 | 86.2 | 96.5 | 45.7 | 51.9 | 34.7 | 27.5 | 0.53 | 0.54 | 0.53 | 0.51 |
| 2765 | Non-ferrous pipe fitting mfg | 42 | 40 | 94.7 | 107.7 | 54.3 | 55.6 | 26.4 | 28.5 | 0.57 | 0.52 | 0.49 | 0.51 |
| 2769 | Fabricated metal product mfg n.e.c. | 12 | 12 | 90.2 | 108.9 | 47.1 | 57.0 | 24.0 | 28.6 | 0.52 | 0.52 | 0.49 | 0.48 |
| 276 | Total | 14 | 14 | 94.1 | 122.0 | 48.7 | 57.1 | 24.6 | 28.6 | 0.52 | 0.47 | 0.49 | 0.49 |
| 27 | Total metal product mfg | 24 | 21 | 196.6 | 219.3 | 76.8 | 74.4 | 29.1 | 33.8 | 0.39 | 0.34 | 0.37 | 0.45 |

For footnotes see end of table.

TABLE 6. MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATING RATIOS BY INDUSTRY CLASS, AUSTRALIA, 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— | | | |
|--|---|---|---------|---|---------|--|---------|--|---------|----------------------------|---|------|------|
| | | 1989-90 | 1992-93 | 1989-90 | 1992-93 | 1989-90 | 1992-93 | 1989-90 | 1992-93 | Value added to turnover | Wages and salaries to value added | | |
| MACHINERY AND EQUIPMENT MFG— | | | | | | | | | | | | | |
| Motor vehicle and part mfg— | | | | | | | | | | | | | |
| 2811 | Motor vehicle mfg | 411 | 304 | 243.5 | 305.6 | 93.0 | 68.5 | 27.8 | 30.3 | 0.38 | 0.22 | 0.30 | 0.44 |
| 2812 | Motor vehicle body mfg | 16 | 15 | 101.3 | 117.2 | 40.7 | 49.5 | 23.6 | 25.6 | 0.40 | 0.42 | 0.56 | 0.50 |
| 2813 | Automotive electrical and instrument mfg | 129 | 86 | 104.9 | 156.7 | 49.0 | 47.1 | 22.6 | 28.3 | 0.47 | 0.30 | 0.46 | 0.60 |
| 2819 | Automotive component mfg n.e.c. | 35 | 25 | 94.0 | 112.9 | 48.3 | 55.5 | 25.1 | 29.1 | 0.51 | 0.49 | 0.51 | 0.52 |
| 281 | Total | 56 | 41 | 162.3 | 202.3 | 67.6 | 59.9 | 25.9 | 29.2 | 0.42 | 0.30 | 0.38 | 0.48 |
| Other transport equipment mfg— | | | | | | | | | | | | | |
| 2821 | Shipbuilding | 108 | 76 | 276.7 | 260.9 | 126.5 | 81.7 | 32.1 | 40.9 | 0.46 | 0.31 | 0.25 | 0.50 |
| 2822 | Boatbuilding | 9 | 8 | 79.9 | 128.2 | 36.7 | 49.2 | 23.1 | 25.3 | 0.46 | 0.38 | 0.60 | 0.48 |
| 2823 | Railway equipment mfg | 178 | 154 | 115.0 | 118.9 | 57.6 | 48.2 | 25.7 | 30.5 | 0.50 | 0.41 | 0.44 | 0.63 |
| 2824 | Aircraft mfg | 69 | 70 | 82.1 | 107.3 | 51.0 | 59.3 | 35.4 | 43.7 | 0.62 | 0.55 | 0.69 | 0.73 |
| 2829 | Transport equipment mfg n.e.c. | 9 | 9 | 102.2 | 105.1 | 37.7 | 48.5 | 20.6 | 21.5 | 0.37 | 0.46 | 0.53 | 0.43 |
| 282 | Total | 38 | 36 | 131.5 | 143.2 | 67.2 | 60.8 | 31.4 | 38.6 | 0.51 | 0.42 | 0.46 | 0.63 |
| Photographic and scientific equipment mfg— | | | | | | | | | | | | | |
| 2831 | Photographic and optical good mfg | 23 | 22 | 130.7 | 151.4 | 50.0 | 76.9 | 27.2 | 30.1 | 0.38 | 0.51 | 0.54 | 0.39 |
| 2832 | Medical and surgical equipment mfg | 8 | 6 | 67.9 | 82.1 | 34.0 | 48.6 | 24.8 | 28.7 | 0.50 | 0.59 | 0.70 | 0.55 |
| 2839 | Professional and scientific equipment mfg n.e.c. | 39 | 25 | 111.1 | 135.3 | 62.2 | 79.7 | 30.6 | 36.6 | 0.56 | 0.59 | 0.49 | 0.46 |
| 283 | Total | 14 | 12 | 96.5 | 121.9 | 47.7 | 68.9 | 27.5 | 32.5 | 0.49 | 0.57 | 0.56 | 0.46 |
| Electronic equipment mfg— | | | | | | | | | | | | | |
| 2841 | Computer and business machine mfg | 13 | 18 | 197.7 | 472.4 | 73.7 | 198.2 | 32.8 | 34.7 | 0.37 | 0.42 | 0.44 | 0.17 |
| 2842 | Telecommunication, broadcasting and transceiving equipment mfg | 80 | 65 | 162.0 | 179.9 | 72.2 | 84.1 | 26.9 | 35.1 | 0.45 | 0.47 | 0.37 | 0.42 |
| 2849 | Electronic equipment mfg n.e.c. | 25 | 21 | 105.5 | 167.5 | 56.3 | 71.4 | 26.6 | 33.1 | 0.53 | 0.43 | 0.47 | 0.46 |
| 284 | Total | 33 | 29 | 134.5 | 205.0 | 63.9 | 90.7 | 27.1 | 34.2 | 0.48 | 0.44 | 0.42 | 0.38 |
| Electrical equipment and appliance mfg— | | | | | | | | | | | | | |
| 2851 | Household appliance mfg | 46 | 45 | 126.8 | 161.1 | 58.6 | 68.9 | 24.2 | 28.2 | 0.46 | 0.43 | 0.41 | 0.41 |
| 2852 | Electric cable and wire mfg | 88 | 85 | 224.1 | 264.8 | 81.6 | 113.9 | 32.6 | 35.1 | 0.36 | 0.43 | 0.40 | 0.31 |
| 2853 | Battery mfg | 83 | 88 | 158.9 | 190.7 | 58.7 | 90.4 | 26.6 | 28.5 | 0.37 | 0.47 | 0.45 | 0.31 |
| 2854 | Electric light and sign mfg | 27 | 17 | 101.9 | 119.1 | 45.4 | 52.8 | 24.5 | 27.5 | 0.45 | 0.44 | 0.54 | 0.52 |
| 2859 | Electrical equipment mfg n.e.c. | 23 | 26 | 111.3 | 125.5 | 57.4 | 57.8 | 27.4 | 29.2 | 0.52 | 0.46 | 0.47 | 0.50 |
| 285 | Total | 33 | 33 | 128.9 | 155.4 | 58.8 | 68.7 | 26.3 | 29.3 | 0.46 | 0.44 | 0.45 | 0.43 |

For footnotes see end of table.

TABLE 6. MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATING RATIOS BY INDUSTRY CLASS, AUSTRALIA, 1989-90 AND 1992-93—continued

| Industry class | Persons employed per establishment (b) | | | Turnover per person employed (c)(d) | | | Value added per person employed (c)(d) | | | Wages and salaries per employee (d)(e) | | | Ratio of— | | | |
|--------------------|--|---------|-------|-------------------------------------|---------|----------|--|---------|----------|--|---------|----------|-----------|---------|---------|---------|
| | 1989-90 | 1992-93 | (No.) | 1989-90 | 1992-93 | (\$'000) | 1989-90 | 1992-93 | (\$'000) | 1989-90 | 1992-93 | (\$'000) | 1989-90 | 1992-93 | 1989-90 | 1992-93 |
| ANZSIC code | Description | | | | | | | | | | | | | | | |
| | Industrial machinery and equipment mfg— | | | | | | | | | | | | | | | |
| 2861 | Agricultural machinery mfg | 19 | 16 | 105.3 | 113.3 | 51.4 | 54.0 | 24.8 | 26.5 | 0.49 | 0.48 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 |
| 2862 | Mining and construction machinery mfg | 29 | 24 | 141.2 | 135.6 | 61.5 | 58.5 | 30.1 | 33.9 | 0.44 | 0.43 | 0.49 | 0.49 | 0.49 | 0.57 | 0.57 |
| 2863 | Food processing machinery mfg | 21 | 16 | 125.9 | 118.6 | 56.6 | 52.3 | 26.6 | 35.2 | 0.45 | 0.44 | 0.47 | 0.47 | 0.47 | 0.67 | 0.67 |
| 2864 | Machine tool and part mfg | 12 | 11 | 82.5 | 94.1 | 46.7 | 58.7 | 26.7 | 30.0 | 0.57 | 0.62 | 0.56 | 0.56 | 0.56 | 0.50 | 0.50 |
| 2865 | Lifting and material handling equipment mfg | 32 | 22 | 126.0 | 150.2 | 54.2 | 72.0 | 30.8 | 37.0 | 0.43 | 0.48 | 0.57 | 0.57 | 0.57 | 0.51 | 0.51 |
| 2866 | Pump and compressor mfg | 35 | 29 | 142.7 | 160.0 | 70.3 | 70.4 | 28.3 | 32.8 | 0.49 | 0.44 | 0.40 | 0.40 | 0.40 | 0.46 | 0.46 |
| 2867 | Commercial space heating and cooling equipment mfg | 42 | 31 | 111.6 | 139.1 | 36.7 | 61.2 | 27.0 | 30.6 | 0.33 | 0.44 | 0.74 | 0.74 | 0.74 | 0.49 | 0.49 |
| 2869 | Industrial machinery and equipment mfg n.e.c. | 13 | 12 | 100.5 | 117.2 | 50.2 | 59.9 | 27.3 | 31.3 | 0.50 | 0.51 | 0.54 | 0.54 | 0.54 | 0.51 | 0.51 |
| 286 | Total | 18 | 16 | 112.1 | 124.2 | 52.7 | 61.4 | 27.9 | 32.0 | 0.47 | 0.49 | 0.52 | 0.52 | 0.52 | 0.51 | 0.51 |
| 28 | Total machinery and equipment mfg | 30 | 25 | 134.8 | 162.2 | 61.2 | 65.6 | 27.3 | 31.9 | 0.45 | 0.40 | 0.44 | 0.44 | 0.44 | 0.48 | 0.48 |
| | OTHER MANUFACTURING— | | | | | | | | | | | | | | | |
| | Prefabricated building mfg— | | | | | | | | | | | | | | | |
| 2911 | Prefabricated metal building mfg | 13 | 10 | 158.7 | 163.1 | 56.5 | 49.9 | 23.3 | 26.5 | 0.36 | 0.31 | 0.40 | 0.40 | 0.40 | 0.50 | 0.50 |
| 2919 | Prefabricated building mfg n.e.c. | 14 | 8 | 144.0 | 116.3 | 63.7 | 43.8 | 23.1 | 23.2 | 0.44 | 0.38 | 0.36 | 0.36 | 0.36 | 0.50 | 0.50 |
| 291 | Total | 13 | 10 | 154.2 | 153.4 | 58.7 | 48.7 | 23.2 | 25.8 | 0.38 | 0.32 | 0.39 | 0.39 | 0.39 | 0.50 | 0.50 |
| | Furniture mfg— | | | | | | | | | | | | | | | |
| 2921 | Wooden furniture and upholstered seat mfg | 10 | 9 | 76.5 | 89.5 | 33.9 | 39.1 | 21.6 | 24.5 | 0.44 | 0.44 | 0.60 | 0.60 | 0.60 | 0.57 | 0.57 |
| 2922 | Sheet metal furniture mfg | 24 | 17 | 104.5 | 115.9 | 42.9 | 50.3 | 22.3 | 29.0 | 0.41 | 0.43 | 0.52 | 0.52 | 0.52 | 0.56 | 0.56 |
| 2923 | Mattress mfg (except rubber) | 34 | 32 | 108.7 | 135.6 | 46.6 | 48.5 | 22.9 | 25.7 | 0.43 | 0.36 | 0.49 | 0.49 | 0.49 | 0.53 | 0.53 |
| 2929 | Furniture mfg n.e.c. | 16 | 12 | 87.7 | 102.0 | 42.7 | 47.3 | 23.6 | 27.8 | 0.49 | 0.46 | 0.54 | 0.54 | 0.54 | 0.55 | 0.55 |
| 292 | Total | 12 | 10 | 82.8 | 97.2 | 36.5 | 42.0 | 22.0 | 25.5 | 0.44 | 0.43 | 0.58 | 0.58 | 0.58 | 0.56 | 0.56 |
| | Miscellaneous manufacturing— | | | | | | | | | | | | | | | |
| 2941 | Jewellery and silverware mfg | 7 | 7 | 120.9 | 106.0 | 53.5 | 37.2 | 21.3 | 24.9 | 0.44 | 0.35 | 0.37 | 0.37 | 0.37 | 0.60 | 0.60 |
| 2942 | Toy and sporting goods mfg (f) | 7 | 10 | 82.8 | 103.8 | 41.3 | 56.7 | 21.3 | 23.7 | 0.50 | 0.55 | 0.48 | 0.48 | 0.48 | 0.39 | 0.39 |
| 2949 | Manufacturing n.e.c. (f) | 7 | 7 | 90.9 | 100.3 | 43.9 | 48.5 | 21.3 | 24.4 | 0.48 | 0.48 | 0.46 | 0.46 | 0.46 | 0.45 | 0.45 |
| 294 | Total | 7 | 7 | 90.9 | 100.3 | 43.9 | 48.5 | 21.3 | 24.4 | 0.48 | 0.48 | 0.46 | 0.46 | 0.46 | 0.45 | 0.45 |
| 29 | Total other manufacturing | 10 | 9 | 89.6 | 100.9 | 39.7 | 43.9 | 21.9 | 25.2 | 0.44 | 0.43 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| 21-29 | TOTAL MANUFACTURING | 25 | 23 | 160.7 | 192.1 | 67.4 | 74.8 | 26.6 | 31.5 | 0.42 | 0.39 | 0.39 | 0.39 | 0.39 | 0.41 | 0.41 |

(a) See paragraph 9 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 7. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY INDUSTRY SUBDIVISION, STATES, TERRITORIES AND AUSTRALIA, 1992-93

| Industry subdivision ANZSIC code | Description | Establishments at 30 June (b) (No.) | Employment at end of June (c) ('000) | Wages and salaries (d) (\$m) | Turnover (\$m) | Value added (\$m) | Ratio of— | |
|--|--|--|--|---------------------------------------|-------------------|-------------------------|----------------------------|---|
| | | | | | | | Value added to turnover | Wages and salaries to value added |
| NEW SOUTH WALES | | | | | | | | |
| 21 | Food, beverage and tobacco mfg | 969 | 49.1 | 1,543.3 | 11,594.4 | 4,361.1 | 0.38 | 0.35 |
| 22 | Textile, clothing, footwear and leather mfg | 1,230 | 22.3 | 549.3 | 2,671.7 | 1,127.4 | 0.42 | 0.49 |
| 23 | Wood and paper product mfg | 1,125 | 17.8 | 523.4 | 3,110.1 | 1,214.0 | 0.39 | 0.43 |
| 24 | Printing, publishing and recorded media | 1,661 | 33.9 | 1,124.9 | 5,040.9 | 2,848.7 | 0.57 | 0.39 |
| 25 | Petroleum, coal, chemical and associated product mfg | 909 | 33.0 | 1,165.9 | 10,720.9 | 3,946.7 | 0.37 | 0.30 |
| 26 | Non-metallic mineral product mfg | 505 | 12.6 | 442.1 | 2,947.8 | 1,212.7 | 0.41 | 0.36 |
| 27 | Metal product mfg | 2,576 | 56.0 | 1,956.8 | 11,994.2 | 4,441.5 | 0.37 | 0.44 |
| 28 | Machinery and equipment mfg | 2,504 | 58.4 | 1,970.6 | 8,703.5 | 4,084.7 | 0.47 | 0.48 |
| 29 | Other manufacturing | 1,480 | 14.2 | 368.3 | 1,626.0 | 719.9 | 0.44 | 0.51 |
| 21-29 | Total manufacturing | 12,960 | 297.1 | 9,644.6 | 58,409.5 | 23,956.6 | 0.41 | 0.40 |
| VICTORIA | | | | | | | | |
| 21 | Food, beverage and tobacco mfg | 898 | 43.5 | 1,374.5 | 10,998.9 | 4,086.0 | 0.37 | 0.34 |
| 22 | Textile, clothing, footwear and leather mfg | 1,558 | 36.6 | 924.3 | 4,361.0 | 1,926.7 | 0.44 | 0.48 |
| 23 | Wood and paper product mfg | 862 | 14.9 | 473.7 | 2,779.0 | 1,033.3 | 0.37 | 0.46 |
| 24 | Printing, publishing and recorded media | 1,352 | 26.3 | 863.4 | 3,594.7 | 2,039.4 | 0.57 | 0.42 |
| 25 | Petroleum, coal, chemical and associated product mfg | 917 | 33.8 | 1,262.1 | 9,616.0 | 3,682.0 | 0.38 | 0.34 |
| 26 | Non-metallic mineral product mfg | 411 | 9.6 | 342.3 | 2,036.0 | 891.6 | 0.44 | 0.38 |
| 27 | Metal product mfg | 1,775 | 34.0 | 1,079.1 | 7,044.3 | 2,537.9 | 0.36 | 0.43 |
| 28 | Machinery and equipment mfg | 2,294 | 71.1 | 2,321.0 | 13,112.0 | 4,860.6 | 0.37 | 0.48 |
| 29 | Other manufacturing | 1,625 | 14.4 | 333.5 | 1,426.8 | 630.0 | 0.44 | 0.53 |
| 21-29 | Total manufacturing | 11,692 | 284.0 | 8,973.8 | 54,968.7 | 21,687.6 | 0.39 | 0.41 |
| QUEENSLAND | | | | | | | | |
| 21 | Food, beverage and tobacco mfg | 570 | 33.2 | 939.3 | 7,521.8 | 2,258.7 | 0.30 | 0.42 |
| 22 | Textile, clothing, footwear and leather mfg | 448 | 5.9 | 127.0 | 555.0 | 236.5 | 0.43 | 0.54 |
| 23 | Wood and paper product mfg | 671 | 10.1 | 267.2 | 1,489.0 | 628.6 | 0.42 | 0.42 |
| 24 | Printing, publishing and recorded media | 535 | 10.1 | 295.6 | 1,122.4 | 643.4 | 0.57 | 0.46 |
| 25 | Petroleum, coal, chemical and associated product mfg | 364 | 8.0 | 261.0 | 2,868.9 | 763.6 | 0.27 | 0.34 |
| 26 | Non-metallic mineral product mfg | 289 | 7.8 | 233.8 | 1,676.4 | 665.8 | 0.40 | 0.35 |
| 27 | Metal product mfg | 1,157 | 22.0 | 636.5 | 4,849.1 | 1,371.6 | 0.28 | 0.46 |
| 28 | Machinery and equipment mfg | 1,102 | 19.4 | 534.1 | 2,283.6 | 979.7 | 0.43 | 0.55 |
| 29 | Other manufacturing | 1,051 | 9.6 | 197.6 | 840.1 | 364.8 | 0.43 | 0.54 |
| 21-29 | Total manufacturing | 6,187 | 126.0 | 3,492.0 | 23,206.2 | 7,912.7 | 0.34 | 0.44 |

For footnotes see end of table.

TABLE 7. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY INDUSTRY SUBDIVISION, STATES, TERRITORIES AND AUSTRALIA, 1992-93—continued

| Industry subdivision ANZSIC code | Description | Establishments at 30 June (b) (No.) | Employment at end of June (c) ('000) | Wages and salaries (d) (\$m) | Turnover (\$m) | Value added (\$m) | Ratio of— | |
|--|--|--|--|---------------------------------------|-------------------|-------------------------|----------------------------|---|
| | | | | | | | Value added to turnover | Wages and salaries to value added |
| SOUTH AUSTRALIA | | | | | | | | |
| 21 | Food, beverage and tobacco mfg | 371 | 15.3 | 405.4 | 2,931.1 | 1,243.5 | 0.42 | 0.33 |
| 22 | Textile, clothing, footwear and leather mfg | 180 | 5.5 | 141.5 | 805.1 | 329.6 | 0.41 | 0.43 |
| 23 | Wood and paper product mfg | 231 | 5.8 | 177.5 | 903.3 | 358.3 | 0.40 | 0.50 |
| 24 | Printing, publishing and recorded media | 264 | 5.2 | 152.1 | 631.7 | 348.2 | 0.55 | 0.44 |
| 25 | Petroleum, coal, chemical and associated product mfg | 197 | 6.7 | 213.0 | 1,396.3 | 556.0 | 0.40 | 0.38 |
| 26 | Non-metallic mineral product mfg | 116 | 2.7 | 93.1 | 518.6 | 218.4 | 0.42 | 0.43 |
| 27 | Metal product mfg | 472 | 11.8 | 377.3 | 2,340.3 | 798.8 | 0.34 | 0.47 |
| 28 | Machinery and equipment mfg | 633 | 27.2 | 818.2 | 5,092.7 | 1,802.3 | 0.35 | 0.45 |
| 29 | Other manufacturing | 367 | 3.9 | 82.7 | 363.0 | 161.9 | 0.45 | 0.51 |
| 21-29 | Total manufacturing | 2,832 | 84.1 | 2,460.9 | 14,982.2 | 5,816.9 | 0.39 | 0.42 |
| WESTERN AUSTRALIA | | | | | | | | |
| 21 | Food, beverage and tobacco mfg | 354 | 11.4 | 324.0 | 2,593.2 | 904.9 | 0.35 | 0.36 |
| 22 | Textile, clothing, footwear and leather mfg | 163 | 3.0 | 68.2 | 260.9 | 118.0 | 0.45 | 0.58 |
| 23 | Wood and paper product mfg | 285 | 4.3 | 114.8 | 629.5 | 250.5 | 0.40 | 0.46 |
| 24 | Printing, publishing and recorded media | 339 | 5.2 | 148.2 | 589.6 | 334.7 | 0.57 | 0.44 |
| 25 | Petroleum, coal, chemical and associated product mfg | 200 | 5.1 | 182.8 | 2,722.1 | 947.9 | 0.35 | 0.19 |
| 26 | Non-metallic mineral product mfg | 192 | 4.6 | 133.5 | 876.0 | 397.4 | 0.45 | 0.34 |
| 27 | Metal product mfg | 632 | 13.9 | 487.8 | 3,872.1 | 1,099.5 | 0.28 | 0.44 |
| 28 | Machinery and equipment mfg | 763 | 9.8 | 272.7 | 1,332.6 | 586.5 | 0.44 | 0.47 |
| 29 | Other manufacturing | 498 | 4.8 | 102.3 | 439.3 | 171.1 | 0.39 | 0.60 |
| 21-29 | Total manufacturing | 3,426 | 62.1 | 1,834.4 | 13,315.2 | 4,810.4 | 0.36 | 0.38 |
| TASMANIA | | | | | | | | |
| 21 | Food, beverage and tobacco mfg | 118 | 5.8 | 146.8 | 1,215.1 | 441.9 | 0.36 | 0.33 |
| 22 | Textile, clothing, footwear and leather mfg | 33 | 1.8 | 41.9 | 182.9 | 85.7 | 0.47 | 0.49 |
| 23 | Wood and paper product mfg | 150 | 4.4 | 170.8 | 942.0 | 403.4 | 0.43 | 0.42 |
| 24 | Printing, publishing and recorded media | 58 | 1.5 | 41.6 | 122.6 | 77.7 | 0.63 | 0.53 |
| 25 | Petroleum, coal, chemical and associated product mfg | 41 | 0.8 | 29.0 | 214.5 | 86.6 | 0.40 | 0.34 |
| 26 | Non-metallic mineral product mfg | 43 | 0.8 | 25.4 | 188.7 | 81.4 | 0.43 | 0.31 |
| 27 | Metal product mfg | 131 | 4.0 | 149.8 | 832.5 | 244.5 | 0.29 | 0.61 |
| 28 | Machinery and equipment mfg | 120 | 1.9 | 45.9 | 178.5 | 81.9 | 0.46 | 0.56 |
| 29 | Other manufacturing | 79 | 0.7 | 14.1 | 53.0 | 21.6 | 0.41 | 0.65 |
| 21-29 | Total manufacturing | 773 | 21.7 | 665.3 | 3,929.8 | 1,524.8 | 0.39 | 0.44 |

For footnotes see end of table.

TABLE 7. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY INDUSTRY SUBDIVISION, STATES, TERRITORIES AND AUSTRALIA, 1992-93—continued

| Industry subdivision ANZSIC code | Description | Establishments at 30 June (b) (No.) | Employment at end of June (c) ('000) | Wages and salaries (d) (\$m) | Turnover (\$m) | Value added (\$m) | Ratio of— | |
|-------------------------------------|--|--|--|---------------------------------------|-------------------|-------------------------|----------------------------|---|
| | | | | | | | Value added to turnover | Wages and salaries to value added |
| NORTHERN TERRITORY | | | | | | | | |
| 21 | Food, beverage and tobacco mfg | 22 | 0.6 | 16.7 | 108.4 | 34.1 | 0.31 | 0.49 |
| 22 | Textile, clothing, footwear and leather mfg | 6 | 0.1 | 2.0 | 6.9 | 2.9 | 0.42 | 0.69 |
| 23 | Wood and paper product mfg | 18 | 0.1 | 2.6 | 13.1 | 4.8 | 0.37 | 0.54 |
| 24 | Printing, publishing and recorded media | 22 | 0.3 | 9.7 | 29.2 | 17.6 | 0.60 | 0.55 |
| 25 | Petroleum, coal, chemical and associated product mfg | 7 | — | 1.5 | 8.9 | 3.1 | 0.35 | 0.49 |
| 26 | Non-metallic mineral product mfg | 13 | 0.1 | 4.7 | 43.2 | 13.4 | 0.31 | 0.35 |
| 27 | Metal product mfg | 40 | 1.1 | 46.4 | 358.0 | 126.8 | 0.35 | 0.37 |
| 28 | Machinery and equipment mfg | 28 | 0.3 | 8.0 | 26.8 | 15.5 | 0.58 | 0.51 |
| 29 | Other manufacturing | 16 | 0.1 | 1.5 | 4.9 | 2.5 | 0.50 | 0.60 |
| 21-29 | Total manufacturing | 171 | 2.7 | 93.0 | 599.5 | 220.6 | 0.37 | 0.42 |
| AUSTRALIAN CAPITAL TERRITORY | | | | | | | | |
| 21 | Food, beverage and tobacco mfg | 25 | 0.6 | 15.8 | 75.0 | 28.9 | 0.39 | 0.55 |
| 22 | Textile, clothing, footwear and leather mfg | 4 | 0.1 | 1.4 | 5.6 | 2.2 | 0.39 | 0.62 |
| 23 | Wood and paper product mfg | 30 | 0.4 | 11.0 | 43.2 | 20.7 | 0.48 | 0.53 |
| 24 | Printing, publishing and recorded media | 66 | 1.6 | 52.6 | 194.7 | 104.0 | 0.53 | 0.51 |
| 25 | Petroleum, coal, chemical and associated product mfg | 4 | — | 0.4 | 2.3 | 0.8 | 0.37 | 0.52 |
| 26 | Non-metallic mineral product mfg | 19 | 0.2 | 7.5 | 74.8 | 20.9 | 0.28 | 0.36 |
| 27 | Metal product mfg | 23 | 0.1 | 3.7 | 20.0 | 7.3 | 0.36 | 0.51 |
| 28 | Machinery and equipment mfg | 39 | 0.5 | 16.2 | 51.1 | 27.2 | 0.53 | 0.60 |
| 29 | Other manufacturing | 34 | 0.4 | 10.3 | 47.3 | 16.3 | 0.34 | 0.63 |
| 21-29 | Total manufacturing | 244 | 3.9 | 119.0 | 513.9 | 228.4 | 0.44 | 0.52 |
| AUSTRALIA | | | | | | | | |
| 21 | Food, beverage and tobacco mfg | 3,328 | 159.4 | 4,765.8 | 37,038.0 | 13,359.0 | 0.36 | 0.36 |
| 22 | Textile, clothing, footwear and leather mfg | 3,623 | 75.2 | 1,855.6 | 8,849.1 | 3,829.0 | 0.43 | 0.48 |
| 23 | Wood and paper product mfg | 3,372 | 57.8 | 1,741.0 | 9,909.3 | 3,913.7 | 0.39 | 0.44 |
| 24 | Printing, publishing and recorded media | 4,298 | 84.1 | 2,688.0 | 11,325.7 | 6,413.7 | 0.57 | 0.42 |
| 25 | Petroleum, coal, chemical and associated product mfg | 2,639 | 87.4 | 3,115.7 | 27,550.0 | 9,986.7 | 0.36 | 0.31 |
| 26 | Non-metallic mineral product mfg | 1,586 | 38.4 | 1,282.4 | 8,361.5 | 3,501.6 | 0.42 | 0.37 |
| 27 | Metal product mfg | 6,807 | 143.1 | 4,737.5 | 31,310.4 | 10,627.9 | 0.34 | 0.45 |
| 28 | Machinery and equipment mfg | 7,483 | 188.4 | 5,986.8 | 30,780.9 | 12,438.4 | 0.40 | 0.48 |
| 29 | Other manufacturing | 5,149 | 47.9 | 1,110.2 | 4,800.4 | 2,088.0 | 0.43 | 0.53 |
| 21-29 | Total manufacturing | 38,285 | 881.7 | 27,282.9 | 169,925.2 | 66,158.0 | 0.39 | 0.41 |

(a) See paragraph 9 of the Explanatory Notes. (b) See paragraphs 5 to 12 of the Explanatory Notes. (c) Includes working proprietors. (d) Excludes the drawings of working proprietors.

TABLE 8. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY EMPLOYMENT SIZE AND INDUSTRY SUBDIVISION, AUSTRALIA, 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 (c)(e)(f) | | Ratio of (e)— | |
|--|-------------------------------|--------------|-------------------------------|--------------|---------------------------|--------------|-----------------|--------------|-----------------|--------------|-----------------------------|--------------|---|-------------------------|-----------------------------------|--|
| | (No.) | (%) | ('000) | (%) | (\$m) | (%) | (\$m) | (%) | (\$m) | (%) | (\$m) | (%) | (\$'000) | Value added to turnover | Wages and salaries to value added | |
| FOOD, BEVERAGE AND TOBACCO MFG | | | | | | | | | | | | | | | | |
| 0-3 persons | 546 | 16.4 | 1.2 | 0.7 | 18.6 | 0.4 | 158.8 | 0.4 | 59.7 | 0.4 | 2.1 | 0.1 | 48.3 | 0.38 | 0.31 | |
| 4-9 persons | 1,062 | 31.9 | 6.4 | 4.0 | 133.8 | 2.8 | 857.5 | 2.3 | 307.6 | 2.3 | 26.7 | 1.7 | 45.3 | 0.36 | 0.43 | |
| 10-19 persons | 587 | 17.6 | 7.9 | 4.9 | 159.2 | 3.4 | 1,327.1 | 3.6 | 446.4 | 3.4 | 42.7 | 2.8 | 56.6 | 0.34 | 0.36 | |
| 20-49 persons | 507 | 15.2 | 15.9 | 9.9 | 383.0 | 8.1 | 3,522.2 | 9.6 | 1,080.4 | 8.1 | 89.7 | 5.8 | 68.7 | 0.31 | 0.35 | |
| 50-99 persons | 250 | 7.5 | 17.1 | 10.7 | 457.3 | 9.7 | 4,300.1 | 11.7 | 1,403.2 | 10.5 | 128.7 | 8.4 | 82.5 | 0.33 | 0.33 | |
| Total less than 100 persons | 2,952 | 88.7 | 48.5 | 30.4 | 1,151.9 | 24.3 | 10,165.6 | 27.6 | 3,297.3 | 24.8 | 290.0 | 18.9 | 67.8 | 0.32 | 0.35 | |
| 100-199 persons | 173 | 5.2 | 24.1 | 15.1 | 715.0 | 15.1 | 6,006.4 | 16.3 | 2,124.2 | 15.9 | 304.0 | 19.8 | 87.7 | 0.35 | 0.34 | |
| 200-499 persons | 142 | 4.3 | 45.0 | 28.2 | 1,427.2 | 30.1 | 10,484.2 | 28.5 | 3,693.5 | 27.7 | 448.7 | 29.2 | 82.0 | 0.35 | 0.39 | |
| 500-999 persons | 57 | 1.7 | 37.0 | 23.2 | 1,274.1 | 26.9 | 8,792.3 | 23.9 | 3,491.7 | 26.2 | 445.4 | 29.0 | 93.9 | 0.40 | 0.36 | |
| 1000 or more persons | 4 | 0.1 | 4.8 | 3.0 | 168.4 | 3.6 | 1,339.1 | 3.6 | 714.2 | 5.4 | 48.1 | 3.1 | 139.3 | 0.53 | 0.24 | |
| Total 100 or more persons | 376 | 11.3 | 110.9 | 69.6 | 3,584.6 | 75.7 | 26,622.2 | 72.4 | 10,023.5 | 75.2 | 1,246.2 | 81.1 | 89.8 | 0.38 | 0.36 | |
| Total | 3,328 | 100.0 | 159.4 | 100.0 | 4,736.6 | 100.0 | 36,787.8 | 100.0 | 13,320.8 | 100.0 | 1,536.1 | 100.0 | 83.1 | 0.36 | 0.36 | |
| TEXTILE, CLOTHING, FOOTWEAR AND LEATHER MFG | | | | | | | | | | | | | | | | |
| 0-3 persons | 1,138 | 31.4 | 2.4 | 3.2 | 38.8 | 2.1 | 200.0 | 2.3 | 82.4 | 2.2 | 4.9 | 2.4 | 31.3 | 0.41 | 0.47 | |
| 4-9 persons | 1,205 | 33.3 | 7.1 | 9.5 | 128.2 | 7.0 | 626.5 | 7.1 | 241.6 | 6.3 | 9.7 | 4.8 | 33.0 | 0.39 | 0.53 | |
| 10-19 persons | 565 | 15.6 | 7.7 | 10.3 | 153.5 | 8.3 | 706.2 | 8.0 | 298.8 | 7.8 | 9.6 | 4.7 | 39.3 | 0.42 | 0.51 | |
| 20-49 persons | 387 | 10.7 | 11.6 | 15.4 | 275.0 | 14.9 | 1,328.0 | 15.1 | 549.5 | 14.4 | 20.2 | 9.9 | 48.1 | 0.41 | 0.50 | |
| 50-99 persons | 165 | 4.6 | 11.3 | 15.1 | 293.8 | 15.9 | 1,590.8 | 18.1 | 654.3 | 17.1 | 35.4 | 17.4 | 57.7 | 0.41 | 0.45 | |
| Total less than 100 persons | 3,460 | 95.5 | 40.1 | 53.4 | 889.4 | 48.2 | 4,451.5 | 50.6 | 1,826.6 | 47.8 | 79.8 | 39.2 | 45.3 | 0.41 | 0.49 | |
| 100-199 persons | 105 | 2.9 | 14.5 | 19.2 | 385.7 | 20.9 | 1,832.0 | 20.8 | 843.9 | 22.1 | 42.3 | 20.8 | 57.3 | 0.46 | 0.46 | |
| 200-499 persons | 49 | 1.4 | 14.0 | 18.6 | 402.1 | 21.8 | 1,740.4 | 19.8 | 793.3 | 20.8 | 63.8 | 31.3 | 56.4 | 0.46 | 0.51 | |
| 500-999 persons | 7 | 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 | 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 | 163 | 4.5 | 35.1 | 46.7 | 954.9 | 51.8 | 4,348.5 | 49.4 | 1,992.0 | 52.2 | 123.9 | 60.8 | 56.3 | 0.46 | 0.48 | |
| Total | 3,623 | 100.0 | 75.2 | 100.0 | 1,844.3 | 100.0 | 8,808.0 | 100.0 | 3,818.7 | 100.0 | 203.7 | 100.0 | 50.5 | 0.43 | 0.48 | |

For footnotes see end of table.

TABLE 8. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY EMPLOYMENT SIZE AND INDUSTRY SUBDIVISION, AUSTRALIA, 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.) | (%) | ('000) | (%) | (\$m) | (%) | (\$m) | (%) | (\$m) | (%) | (\$m) | (%) | (\$'000) | Value added to turnover | Wages and salaries to value added | |
| WOOD AND PAPER PRODUCT MFG | | | | | | | | | | | | | | | | |
| 0-3 persons | 991 | 29.4 | 2.3 | 3.9 | 38.2 | 2.2 | 197.9 | 2.0 | 87.0 | 2.2 | 5.3 | 1.5 | 36.6 | 0.44 | 0.44 | 0.44 |
| 4-9 persons | 1,314 | 39.0 | 7.5 | 13.0 | 154.3 | 8.9 | 677.7 | 6.9 | 309.6 | 7.9 | 15.3 | 4.4 | 41.6 | 0.46 | 0.50 | 0.50 |
| 10-19 persons | 562 | 16.7 | 7.6 | 13.2 | 177.4 | 10.2 | 830.2 | 8.4 | 386.0 | 9.9 | -20.9 | -6.0 | 52.1 | 0.46 | 0.46 | 0.46 |
| 20-49 persons | 304 | 9.0 | 8.9 | 15.4 | 230.2 | 13.3 | 1,196.8 | 12.1 | 492.9 | 12.6 | 18.6 | 5.4 | 56.1 | 0.41 | 0.47 | 0.47 |
| 50-99 persons | 99 | 2.9 | 7.1 | 12.3 | 208.2 | 12.0 | 1,358.8 | 13.8 | 562.5 | 14.4 | 43.5 | 12.6 | 78.3 | 0.41 | 0.37 | 0.37 |
| Total less than 100 persons | 3,270 | 97.0 | 33.4 | 57.8 | 808.4 | 46.7 | 4,261.4 | 43.1 | 1,838.0 | 47.1 | 61.8 | 17.9 | 55.4 | 0.43 | 0.44 | 0.44 |
| 100-199 persons | 56 | 1.7 | 7.9 | 13.7 | 247.5 | 14.3 | 1,572.4 | 15.9 | 565.4 | 14.5 | 56.6 | 16.4 | 72.4 | 0.36 | 0.44 | 0.44 |
| 200-499 persons | 39 | 1.2 | 11.2 | 19.4 | 417.6 | 24.1 | 2,591.7 | 26.2 | 998.8 | 25.6 | 170.0 | 49.2 | 89.2 | 0.39 | 0.42 | 0.42 |
| 500-999 persons | 6 | 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. | n.p. |
| 1000 or more persons | 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. | n.p. |
| Total 100 or more persons | 102 | 3.0 | 24.4 | 42.2 | 924.2 | 53.3 | 5,617.6 | 56.9 | 2,067.6 | 52.9 | 283.8 | 82.1 | 84.7 | 0.37 | 0.45 | 0.45 |
| Total | 3,372 | 100.0 | 57.8 | 100.0 | 1,732.6 | 100.0 | 9,879.0 | 100.0 | 3,905.6 | 100.0 | 345.6 | 100.0 | 67.8 | 0.40 | 0.44 | 0.44 |
| PRINTING, PUBLISHING AND RECORDED MEDIA | | | | | | | | | | | | | | | | |
| 0-3 persons | 1,168 | 27.2 | 2.4 | 2.9 | 54.2 | 2.0 | 216.6 | 1.9 | 100.5 | 1.6 | 7.5 | 1.3 | 37.5 | 0.46 | 0.54 | 0.54 |
| 4-9 persons | 1,644 | 38.3 | 9.8 | 11.7 | 229.9 | 8.6 | 840.6 | 7.4 | 427.8 | 6.7 | 22.0 | 3.7 | 45.0 | 0.51 | 0.54 | 0.54 |
| 10-19 persons | 719 | 16.7 | 9.7 | 11.6 | 253.9 | 9.5 | 1,044.3 | 9.3 | 552.2 | 8.6 | 34.3 | 5.8 | 58.4 | 0.53 | 0.46 | 0.46 |
| 20-49 persons | 495 | 11.5 | 14.7 | 17.4 | 421.0 | 15.7 | 1,771.4 | 15.7 | 944.6 | 14.8 | 71.4 | 12.1 | 65.4 | 0.53 | 0.45 | 0.45 |
| 50-99 persons | 135 | 3.1 | 8.9 | 10.6 | 294.9 | 11.0 | 1,243.7 | 11.0 | 597.4 | 9.3 | 39.8 | 6.8 | 67.0 | 0.48 | 0.49 | 0.49 |
| Total less than 100 persons | 4,162 | 96.8 | 45.6 | 54.2 | 1,253.9 | 46.8 | 5,116.6 | 45.3 | 2,622.4 | 41.0 | 173.0 | 29.7 | 58.3 | 0.51 | 0.48 | 0.48 |
| 100-199 persons | 83 | 1.9 | 11.4 | 13.6 | 373.1 | 13.9 | 1,610.0 | 14.3 | 823.1 | 12.9 | 74.8 | 12.7 | 73.5 | 0.51 | 0.45 | 0.45 |
| 200-499 persons | 35 | 0.8 | 9.7 | 11.5 | 338.2 | 12.6 | 1,310.6 | 11.6 | 725.3 | 11.3 | 39.3 | 6.7 | 75.0 | 0.55 | 0.47 | 0.47 |
| 500-999 persons | 11 | 0.3 | 7.2 | 8.6 | 260.6 | 9.7 | 1,268.2 | 11.2 | 934.6 | 14.6 | 39.6 | 6.7 | 131.3 | 0.74 | 0.28 | 0.28 |
| 1000 or more persons | 7 | 0.2 | 10.2 | 12.2 | 452.7 | 16.9 | 1,981.7 | 17.6 | 1,296.1 | 20.2 | 259.8 | 44.2 | 123.8 | 0.65 | 0.35 | 0.35 |
| Total 100 or more persons | 136 | 3.2 | 38.5 | 45.8 | 1,424.6 | 53.2 | 6,170.5 | 54.7 | 3,776.2 | 59.0 | 413.6 | 70.3 | 98.3 | 0.61 | 0.38 | 0.38 |
| Total | 4,298 | 100.0 | 84.1 | 100.0 | 2,678.6 | 100.0 | 11,287.1 | 100.0 | 6,401.6 | 100.0 | 588.5 | 100.0 | 76.7 | 0.57 | 0.42 | 0.42 |

For footnotes see end of table.

TABLE 8. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY EMPLOYMENT SIZE AND INDUSTRY SUBDIVISION, AUSTRALIA, 1992-93—continued

| Employment size group | Establishments at 30 June (b) (No.) | Employment at end of June (c) ('000) | Wages and salaries (d)(e) | | Turnover (e) | | Value added (e) | | Net capital expenditure (e) | | Value added per person employed (e)(f)(f) | | Ratio of (e)— | |
|--|--|---|---------------------------|--------------|-----------------|--------------|-----------------|--------------|-----------------------------|--------------|---|-------------|-------------------------|-----------------------------------|
| | | | (\$m) | (%) | (\$m) | (%) | (\$m) | (%) | (\$m) | (%) | (\$'000) | (e)(f) | Value added to turnover | Wages and salaries to value added |
| PETROLEUM, COAL, CHEMICAL AND ASSOCIATED PRODUCT MFG | | | | | | | | | | | | | | |
| 0-3 persons | 578 | 21.9 | 28.5 | 0.9 | 243.9 | 0.9 | 117.2 | 1.2 | 3.8 | 0.3 | 85.4 | 0.48 | 0.24 | |
| 4-9 persons | 805 | 30.5 | 125.1 | 4.0 | 794.6 | 2.9 | 334.0 | 3.3 | 19.5 | 1.3 | 68.3 | 0.42 | 0.37 | |
| 10-19 persons | 375 | 14.2 | 133.9 | 4.3 | 1,047.2 | 3.8 | 384.4 | 3.9 | 37.0 | 2.5 | 77.1 | 0.37 | 0.35 | |
| 20-49 persons | 473 | 17.9 | 445.4 | 14.3 | 3,356.3 | 12.2 | 1,393.0 | 14.0 | 84.4 | 5.6 | 94.4 | 0.42 | 0.32 | |
| 50-99 persons | 190 | 7.2 | 468.3 | 15.1 | 3,273.9 | 11.9 | 1,302.2 | 13.0 | 163.3 | 10.9 | 96.8 | 0.40 | 0.36 | |
| Total less than 100 persons | 2,420 | 91.7 | 1,201.2 | 38.6 | 8,716.0 | 31.7 | 3,530.9 | 35.4 | 308.0 | 20.6 | 89.5 | 0.41 | 0.34 | |
| 100-199 persons | 123 | 4.7 | 610.9 | 19.6 | 4,436.2 | 16.1 | 1,841.6 | 18.4 | 271.3 | 18.1 | 109.7 | 0.42 | 0.33 | |
| 200-499 persons | 87 | 3.3 | 983.1 | 31.6 | 9,933.7 | 36.2 | 3,571.5 | 35.8 | 450.0 | 30.0 | 145.7 | 0.36 | 0.28 | |
| 500-999 persons | 8 | 0.3 | 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 | — | 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 | 219 | 8.3 | 1,910.3 | 61.4 | 18,810.9 | 68.3 | 6,451.7 | 64.6 | 1,190.0 | 79.4 | 134.8 | 0.34 | 0.30 | |
| Total | 2,639 | 100.0 | 3,111.5 | 100.0 | 27,526.9 | 100.0 | 9,982.6 | 100.0 | 1,497.9 | 100.0 | 114.3 | 0.36 | 0.31 | |
| NON-METALLIC MINERAL PRODUCT MFG | | | | | | | | | | | | | | |
| 0-3 persons | 481 | 30.3 | 16.2 | 1.3 | 108.2 | 1.3 | 42.8 | 1.2 | 2.2 | 0.5 | 41.8 | 0.40 | 0.38 | |
| 4-9 persons | 516 | 32.5 | 74.0 | 5.8 | 526.3 | 6.3 | 185.6 | 5.3 | 10.7 | 2.2 | 59.9 | 0.35 | 0.40 | |
| 10-19 persons | 218 | 13.7 | 73.6 | 5.8 | 439.5 | 5.3 | 170.1 | 4.9 | 10.8 | 2.2 | 60.3 | 0.39 | 0.43 | |
| 20-49 persons | 193 | 12.2 | 181.3 | 14.2 | 1,129.8 | 13.5 | 442.9 | 12.6 | 24.1 | 5.0 | 76.5 | 0.39 | 0.41 | |
| 50-99 persons | 78 | 4.9 | 186.7 | 14.6 | 1,204.1 | 14.4 | 470.7 | 13.4 | 55.3 | 11.5 | 86.9 | 0.39 | 0.40 | |
| Total less than 100 persons | 1,486 | 93.7 | 531.7 | 41.6 | 3,407.9 | 40.8 | 1,312.1 | 37.5 | 103.1 | 21.4 | 72.3 | 0.39 | 0.41 | |
| 100-199 persons | 66 | 4.2 | 319.8 | 25.0 | 2,486.8 | 29.8 | 975.0 | 27.8 | 154.6 | 32.1 | 107.4 | 0.39 | 0.33 | |
| 200-499 persons | 29 | 1.8 | 322.0 | 25.2 | 1,878.7 | 22.5 | 847.1 | 24.2 | 87.2 | 18.1 | 101.5 | 0.45 | 0.38 | |
| 500-999 persons | 5 | 0.3 | 105.8 | 8.3 | 580.9 | 7.0 | 368.1 | 10.5 | 137.0 | 28.4 | 134.1 | 0.63 | 0.29 | |
| 1000 or more persons | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Total 100 or more persons | 100 | 6.3 | 747.6 | 58.4 | 4,946.4 | 59.2 | 2,190.2 | 62.5 | 378.8 | 78.6 | 108.6 | 0.44 | 0.34 | |
| Total | 1,586 | 100.0 | 1,279.3 | 100.0 | 8,354.3 | 100.0 | 3,502.3 | 100.0 | 481.9 | 100.0 | 91.4 | 0.42 | 0.37 | |

For footnotes see end of table.

TABLE 8. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY EMPLOYMENT SIZE AND INDUSTRY SUBDIVISION, AUSTRALIA, 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.) | (%) | ('000) | (%) | (\$m) | (%) | (\$m) | (%) | (\$m) | (%) | (\$m) | (%) | (\$'000) | Value added to turnover | Wages and salaries to value added | |
| METAL PRODUCT MFG | | | | | | | | | | | | | | | | |
| 0-3 persons | 2,206 | 32.4 | 4.5 | 3.2 | 87.3 | 1.8 | 1,356.9 | 4.3 | 977.0 | 9.2 | 296.7 | 17.5 | 203.1 | 0.72 | 0.09 | |
| 4-9 persons | 2,288 | 33.6 | 13.8 | 9.7 | 321.7 | 6.8 | 1,488.3 | 4.8 | 673.3 | 6.3 | 19.6 | 1.2 | 49.4 | 0.45 | 0.48 | |
| 10-19 persons | 1,044 | 15.3 | 13.8 | 9.6 | 346.3 | 7.3 | 1,527.4 | 4.9 | 683.9 | 6.4 | 37.3 | 2.2 | 50.9 | 0.45 | 0.51 | |
| 20-49 persons | 761 | 11.2 | 23.1 | 16.2 | 620.6 | 13.1 | 3,344.4 | 10.7 | 1,308.5 | 12.3 | 66.2 | 3.9 | 59.3 | 0.39 | 0.47 | |
| 50-99 persons | 300 | 4.4 | 20.3 | 14.2 | 632.4 | 13.4 | 4,178.1 | 13.4 | 1,481.0 | 14.0 | 141.1 | 8.3 | 72.7 | 0.35 | 0.43 | |
| Total less than 100 persons | 6,599 | 96.9 | 75.6 | 52.8 | 2,008.3 | 42.5 | 11,895.0 | 38.1 | 5,123.6 | 48.3 | 560.9 | 33.1 | 68.9 | 0.43 | 0.39 | |
| 100-199 persons | 128 | 1.9 | 17.3 | 12.1 | 548.8 | 11.6 | 3,563.5 | 11.4 | 1,176.2 | 11.1 | 132.2 | 7.8 | 68.8 | 0.33 | 0.47 | |
| 200-499 persons | 56 | 0.8 | 16.3 | 11.4 | 621.8 | 13.2 | 5,344.7 | 17.1 | 1,379.3 | 13.0 | 237.6 | 14.0 | 83.1 | 0.26 | 0.45 | |
| 500-999 persons | 15 | 0.2 | 11.0 | 7.7 | 468.7 | 9.9 | 3,069.2 | 9.8 | 884.4 | 8.3 | 121.7 | 7.2 | 78.4 | 0.29 | 0.53 | |
| 1000 or more persons | 9 | 0.1 | 22.9 | 16.0 | 1,073.8 | 22.7 | 7,372.1 | 23.6 | 2,044.2 | 19.3 | 643.6 | 37.9 | 88.4 | 0.28 | 0.53 | |
| Total 100 or more persons | 208 | 3.1 | 67.5 | 47.2 | 2,713.2 | 57.5 | 19,349.4 | 61.9 | 5,484.1 | 51.7 | 1,135.2 | 66.9 | 80.6 | 0.28 | 0.49 | |
| Total | 6,807 | 100.0 | 143.1 | 100.0 | 4,721.4 | 100.0 | 31,244.5 | 100.0 | 10,607.8 | 100.0 | 1,696.1 | 100.0 | 74.5 | 0.34 | 0.45 | |
| MACHINERY AND EQUIPMENT MFG | | | | | | | | | | | | | | | | |
| 0-3 persons | 2,382 | 31.8 | 4.9 | 2.6 | 94.4 | 1.6 | 487.1 | 1.6 | 219.5 | 1.8 | 2.4 | 0.1 | 43.6 | 0.45 | 0.43 | |
| 4-9 persons | 2,544 | 34.0 | 14.9 | 7.9 | 339.9 | 5.7 | 1,453.0 | 4.7 | 686.1 | 5.5 | 24.3 | 1.1 | 46.2 | 0.47 | 0.50 | |
| 10-19 persons | 1,222 | 16.3 | 16.3 | 8.6 | 440.0 | 7.4 | 1,872.8 | 6.1 | 886.8 | 7.1 | 42.7 | 2.0 | 55.9 | 0.47 | 0.50 | |
| 20-49 persons | 715 | 9.6 | 21.7 | 11.5 | 656.1 | 11.0 | 2,954.8 | 9.6 | 1,369.9 | 11.0 | 79.4 | 3.6 | 62.9 | 0.46 | 0.48 | |
| 50-99 persons | 312 | 4.2 | 21.4 | 11.3 | 675.2 | 11.3 | 3,174.7 | 10.3 | 1,444.3 | 11.6 | 71.8 | 3.3 | 67.8 | 0.45 | 0.47 | |
| Total less than 100 persons | 7,175 | 95.9 | 79.1 | 42.0 | 2,205.5 | 37.0 | 9,942.5 | 32.4 | 4,606.5 | 37.1 | 220.6 | 10.1 | 58.4 | 0.46 | 0.48 | |
| 100-199 persons | 167 | 2.2 | 23.2 | 12.3 | 781.0 | 13.1 | 3,869.8 | 12.6 | 1,641.6 | 13.2 | 89.4 | 4.1 | 70.3 | 0.42 | 0.48 | |
| 200-499 persons | 93 | 1.2 | 29.1 | 15.5 | 976.7 | 16.4 | 5,066.6 | 16.5 | 2,255.9 | 18.2 | 139.6 | 6.4 | 78.0 | 0.45 | 0.43 | |
| 500-999 persons | 30 | 0.4 | 20.4 | 10.8 | 698.0 | 11.7 | 3,665.6 | 11.9 | 1,413.3 | 11.4 | 109.0 | 5.0 | 69.3 | 0.39 | 0.49 | |
| 1000 or more persons | 18 | 0.2 | 36.5 | 19.4 | 1,303.0 | 21.8 | 8,144.3 | 26.5 | 2,308.6 | 20.2 | 1,626.4 | 74.4 | 66.6 | 0.31 | 0.52 | |
| Total 100 or more persons | 308 | 4.1 | 109.3 | 58.0 | 3,758.7 | 63.0 | 20,746.4 | 67.6 | 7,819.3 | 62.9 | 1,964.3 | 89.9 | 70.9 | 0.38 | 0.48 | |
| Total | 7,483 | 100.0 | 188.4 | 100.0 | 5,964.2 | 100.0 | 30,688.9 | 100.0 | 12,425.8 | 100.0 | 2,184.9 | 100.0 | 65.7 | 0.40 | 0.48 | |

For footnotes see end of table.

TABLE 8. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY EMPLOYMENT SIZE AND INDUSTRY SUBDIVISION, AUSTRALIA, 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.) | (%) | ('000) | (%) | (\$m) | (%) | (\$m) | (%) | (\$m) | (%) | (\$m) | (%) | (\$'000) | Value added to turnover | Wages and salaries to value added | |
| OTHER MANUFACTURING | | | | | | | | | | | | | | | | |
| 0-3 persons | 2,304 | 44.7 | 4.9 | 10.2 | 82.4 | 7.4 | 363.2 | 7.6 | 171.4 | 8.2 | 12.0 | 16.6 | 33.6 | 0.47 | 0.48 | |
| 4-9 persons | 1,651 | 32.1 | 9.4 | 19.6 | 180.4 | 16.3 | 723.9 | 15.1 | 329.4 | 15.8 | 8.2 | 11.4 | 35.3 | 0.46 | 0.55 | |
| 10-19 persons | 673 | 13.1 | 8.8 | 18.3 | 206.0 | 18.6 | 872.8 | 18.3 | 367.9 | 17.7 | 5.3 | 7.4 | 42.8 | 0.42 | 0.56 | |
| 20-49 persons | 384 | 7.5 | 11.3 | 23.6 | 272.8 | 24.7 | 1,188.7 | 24.9 | 532.5 | 25.6 | 22.6 | 31.3 | 48.6 | 0.45 | 0.51 | |
| 50-99 persons | 96 | 1.9 | 6.5 | 13.5 | 163.2 | 14.8 | 770.3 | 16.1 | 333.4 | 16.0 | 10.0 | 13.9 | 52.0 | 0.43 | 0.49 | |
| Total less than 100 persons | 5,107 | 99.2 | 40.9 | 85.3 | 904.7 | 81.8 | 3,918.8 | 82.0 | 1,734.6 | 83.3 | 58.1 | 80.5 | 42.9 | 0.44 | 0.52 | |
| 100-199 persons | 31 | 0.6 | 4.1 | 8.6 | 117.6 | 10.6 | 514.2 | 10.8 | 208.5 | 10.0 | 9.1 | 12.6 | 50.9 | 0.41 | 0.56 | |
| 200-499 persons | 11 | 0.2 | 2.9 | 6.1 | 84.1 | 7.6 | 345.4 | 7.2 | 139.2 | 6.7 | 5.0 | 6.9 | 44.3 | 0.40 | 0.60 | |
| 500-999 persons | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| 1000 or more persons | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Total 100 or more persons | 42 | 0.8 | 7.0 | 14.7 | 201.7 | 18.2 | 859.6 | 18.0 | 347.8 | 16.7 | 14.1 | 19.5 | 48.0 | 0.40 | 0.58 | |
| Total | 5,149 | 100.0 | 47.9 | 100.0 | 1,106.5 | 100.0 | 4,778.4 | 100.0 | 2,082.4 | 100.0 | 72.2 | 100.0 | 43.7 | 0.44 | 0.53 | |
| TOTAL MANUFACTURING | | | | | | | | | | | | | | | | |
| 0-3 persons | 11,794 | 30.8 | 24.8 | 2.8 | 458.7 | 1.7 | 3,332.5 | 2.0 | 1,857.5 | 2.8 | 336.8 | 3.9 | 70.7 | 0.56 | 0.25 | |
| 4-9 persons | 13,027 | 34.0 | 77.1 | 8.7 | 1,687.2 | 6.2 | 7,988.5 | 4.7 | 3,494.9 | 5.3 | 156.0 | 1.8 | 45.5 | 0.44 | 0.48 | |
| 10-19 persons | 5,966 | 15.6 | 79.7 | 9.0 | 1,943.9 | 7.2 | 9,667.3 | 5.7 | 4,176.5 | 6.3 | 198.9 | 2.3 | 53.5 | 0.43 | 0.47 | |
| 20-49 persons | 4,218 | 11.0 | 127.9 | 14.5 | 3,485.3 | 12.8 | 19,792.5 | 11.7 | 8,114.2 | 12.3 | 476.6 | 5.5 | 64.5 | 0.41 | 0.43 | |
| 50-99 persons | 1,625 | 4.2 | 111.5 | 12.7 | 3,380.0 | 12.4 | 21,094.5 | 12.5 | 8,248.9 | 12.5 | 688.9 | 8.0 | 74.1 | 0.39 | 0.41 | |
| Total less than 100 persons | 36,631 | 95.7 | 421.1 | 47.8 | 10,955.1 | 40.3 | 61,875.3 | 36.5 | 25,892.1 | 39.2 | 1,857.3 | 21.6 | 61.9 | 0.42 | 0.42 | |
| 100-199 persons | 932 | 2.4 | 128.2 | 14.5 | 4,099.4 | 15.1 | 25,891.2 | 15.3 | 10,199.6 | 15.4 | 1,134.4 | 13.2 | 79.5 | 0.39 | 0.40 | |
| 200-499 persons | 541 | 1.4 | 161.0 | 18.3 | 5,572.7 | 20.5 | 38,715.9 | 22.9 | 14,404.0 | 21.8 | 1,641.3 | 19.1 | 89.2 | 0.37 | 0.39 | |
| 500-999 persons | 139 | 0.4 | 92.4 | 10.5 | 3,378.1 | 12.4 | 23,371.1 | 13.8 | 8,636.1 | 13.1 | 1,375.0 | 16.0 | 93.3 | 0.37 | 0.39 | |
| 1000 or more persons | 42 | 0.1 | 79.1 | 9.0 | 3,169.6 | 11.7 | 19,493.3 | 11.5 | 6,915.9 | 10.5 | 2,599.1 | 30.2 | 85.3 | 0.35 | 0.46 | |
| Total 100 or more persons | 1,654 | 4.3 | 460.6 | 52.2 | 16,219.8 | 59.7 | 107,471.5 | 63.5 | 40,155.5 | 60.8 | 6,749.8 | 78.4 | 86.6 | 0.37 | 0.40 | |
| Total | 38,285 | 100.0 | 881.7 | 100.0 | 27,174.9 | 100.0 | 169,346.7 | 100.0 | 66,047.6 | 100.0 | 8,607.1 | 100.0 | 74.9 | 0.39 | 0.41 | |

(a) See paragraphs 9, 18 and 22 of the Explanatory Notes. (b) See paragraphs 5 to 12 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 22 of the Explanatory Notes. (f) Based on average employment over the whole year.

TABLE 9. MANUFACTURING ESTABLISHMENTS (a): SUMMARY STATISTICS AND CONCENTRATION RATIOS (b) BY INDUSTRY SUBDIVISION, AUSTRALIA, 1992-93

| Industry subdivision ANZSIC code | Description | Enterprise groups ranked by turnover | | Enterprise groups at 30 June | | Establishments at 30 June (c) | | Employment at end of June (d) | | Wages and salaries (e) | | Turnover | | Value added | |
|-------------------------------------|--|--------------------------------------|-------|------------------------------|-------|-------------------------------|-------|-------------------------------|-------|------------------------|-------|----------|-------|-------------|-------|
| | | Number | Ratio | Number | Ratio | Number | Ratio | ('000) | Ratio | (\$m) | Ratio | (\$m) | Ratio | (\$m) | Ratio |
| 21 | Food, beverage and tobacco mfg | 4 | — | 102 | 0.03 | 22.8 | 0.14 | 767.7 | 0.16 | 5,641.7 | 0.15 | 2,319.8 | 0.17 | | |
| | | 4 | — | 45 | 0.01 | 12.7 | 0.08 | 427.1 | 0.09 | 3,654.7 | 0.10 | 1,368.8 | 0.10 | | |
| | | 4 | — | 60 | 0.02 | 10.7 | 0.07 | 387.8 | 0.08 | 3,077.4 | 0.08 | 1,028.4 | 0.08 | | |
| | | 4 | — | 29 | 0.01 | 6.5 | 0.04 | 253.1 | 0.05 | 2,488.9 | 0.07 | 768.7 | 0.06 | | |
| | | 4 | — | 32 | 0.01 | 7.2 | 0.05 | 237.9 | 0.05 | 1,829.4 | 0.05 | 811.6 | 0.06 | | |
| | | 2,787 | 0.99 | 3,060 | 0.92 | 99.4 | 0.62 | 2,692.2 | 0.56 | 20,345.9 | 0.55 | 7,061.8 | 0.53 | | |
| | Industry total | 2,807 | 1.00 | 3,328 | 1.00 | 159.4 | 1.00 | 4,765.8 | 1.00 | 37,038.0 | 1.00 | 13,359.0 | 1.00 | | |
| 22 | Textile, clothing, footwear and leather mfg | 4 | — | 38 | 0.01 | 9.2 | 0.12 | 259.2 | 0.14 | 1,360.3 | 0.15 | 584.9 | 0.15 | | |
| | | 4 | — | 17 | — | 3.2 | 0.04 | 95.4 | 0.05 | 517.0 | 0.06 | 193.2 | 0.05 | | |
| | | 4 | — | 10 | — | 2.7 | 0.04 | 74.4 | 0.04 | 378.8 | 0.04 | 199.5 | 0.05 | | |
| | | 4 | — | 12 | — | 2.5 | 0.03 | 66.3 | 0.04 | 302.0 | 0.03 | 123.9 | 0.03 | | |
| | | 4 | — | 5 | — | 0.9 | 0.01 | 33.2 | 0.02 | 254.1 | 0.03 | 75.3 | 0.02 | | |
| | | 3,483 | 0.99 | 3,541 | 0.98 | 56.7 | 0.75 | 1,327.2 | 0.72 | 6,036.9 | 0.68 | 2,652.3 | 0.69 | | |
| | Industry total | 3,503 | 1.00 | 3,623 | 1.00 | 75.2 | 1.00 | 1,855.6 | 1.00 | 8,849.1 | 1.00 | 3,829.0 | 1.00 | | |
| 23 | Wood and paper product mfg | 4 | — | 74 | 0.02 | 12.5 | 0.22 | 547.5 | 0.31 | 3,491.6 | 0.35 | 1,244.7 | 0.32 | | |
| | | 4 | — | 25 | 0.01 | 4.6 | 0.08 | 176.2 | 0.10 | 1,176.0 | 0.12 | 480.7 | 0.12 | | |
| | | 4 | — | 20 | 0.01 | 2.9 | 0.05 | 98.2 | 0.06 | 592.2 | 0.06 | 213.1 | 0.05 | | |
| | | 4 | — | 24 | 0.01 | 2.2 | 0.04 | 67.2 | 0.04 | 345.9 | 0.04 | 156.0 | 0.04 | | |
| | | 4 | — | 7 | — | 1.5 | 0.03 | 40.9 | 0.02 | 245.0 | 0.03 | 86.3 | 0.02 | | |
| | | 3,134 | 0.99 | 3,222 | 0.96 | 34.1 | 0.59 | 811.0 | 0.47 | 4,058.5 | 0.41 | 1,732.8 | 0.44 | | |
| | Industry total | 3,154 | 1.00 | 3,372 | 1.00 | 57.8 | 1.00 | 1,741.0 | 1.00 | 9,909.3 | 1.00 | 3,913.7 | 1.00 | | |
| 24 | Printing, publishing and recorded media | 4 | — | 49 | 0.01 | 16.0 | 0.19 | 668.1 | 0.25 | 2,922.1 | 0.26 | 1,981.6 | 0.31 | | |
| | | 4 | — | 26 | 0.01 | 6.5 | 0.08 | 241.6 | 0.09 | 1,287.7 | 0.11 | 697.0 | 0.11 | | |
| | | 4 | — | 54 | 0.01 | 5.1 | 0.06 | 158.0 | 0.06 | 812.2 | 0.07 | 543.1 | 0.08 | | |
| | | 4 | — | 15 | — | 2.8 | 0.03 | 97.9 | 0.04 | 391.8 | 0.03 | 167.5 | 0.03 | | |
| | | 4 | — | 15 | — | 1.6 | 0.02 | 58.2 | 0.02 | 324.3 | 0.03 | 171.5 | 0.03 | | |
| | | 4,068 | 0.99 | 4,139 | 0.96 | 52.2 | 0.62 | 1,464.2 | 0.54 | 5,587.6 | 0.49 | 2,853.0 | 0.44 | | |
| | Industry total | 4,088 | 1.00 | 4,298 | 1.00 | 84.1 | 1.00 | 2,688.0 | 1.00 | 11,325.7 | 1.00 | 6,413.7 | 1.00 | | |
| 25 | Petroleum, coal, chemical and associated product mfg | 4 | — | 57 | 0.02 | 8.0 | 0.09 | 416.0 | 0.13 | 8,455.0 | 0.31 | 2,201.7 | 0.22 | | |
| | | 4 | — | 51 | 0.02 | 6.7 | 0.08 | 286.6 | 0.09 | 2,595.9 | 0.09 | 690.5 | 0.07 | | |
| | | 4 | — | 34 | 0.01 | 3.4 | 0.04 | 149.6 | 0.05 | 1,298.6 | 0.05 | 548.1 | 0.06 | | |
| | | 4 | — | 47 | 0.02 | 3.3 | 0.04 | 115.8 | 0.04 | 1,124.9 | 0.04 | 390.3 | 0.04 | | |
| | | 4 | — | 16 | 0.01 | 3.0 | 0.04 | 109.9 | 0.04 | 1,017.5 | 0.04 | 498.3 | 0.05 | | |
| | | 2,173 | 0.99 | 2,434 | 0.92 | 63.0 | 0.72 | 2,037.8 | 0.65 | 13,058.0 | 0.47 | 5,657.8 | 0.57 | | |
| | Industry total | 2,193 | 1.00 | 2,639 | 1.00 | 87.4 | 1.00 | 3,115.7 | 1.00 | 27,550.0 | 1.00 | 9,986.7 | 1.00 | | |

For footnotes see end of table.

TABLE 9. MANUFACTURING ESTABLISHMENTS (a): SUMMARY STATISTICS AND CONCENTRATION RATIOS (b) BY INDUSTRY SUBDIVISION, AUSTRALIA, 1992-93—continued

| Industry subdivision ANZSIC code Description | Enterprise groups ranked by turnover | | Enterprise groups at 30 June | | Establishments at 30 June (c) | | Employment at end of June (d) | | Wages and salaries (e) | | Turnover | | Value added | |
|---|--------------------------------------|--------|------------------------------|-------|-------------------------------|--------|-------------------------------|-------|------------------------|----------|-----------|-----------|-------------|----------|
| | Number | Ratio | Number | Ratio | Number | Ratio | ('000) | Ratio | (\$m) | Ratio | (\$m) | Ratio | (\$m) | Ratio |
| 26 Non-metallic mineral product mfg | First four | 4 | — | — | 197 | 0.12 | 16.2 | 0.42 | 598.5 | 0.47 | 4,463.6 | 0.53 | 1,731.4 | 0.49 |
| | Second four | 4 | — | — | 29 | 0.02 | 4.6 | 0.12 | 179.8 | 0.14 | 1,077.6 | 0.13 | 532.5 | 0.15 |
| | Third four | 4 | — | — | 20 | 0.01 | 1.8 | 0.05 | 73.1 | 0.06 | 484.6 | 0.06 | 236.2 | 0.07 |
| | Fourth four | 4 | — | — | 10 | 0.01 | 1.3 | 0.03 | 49.6 | 0.04 | 272.7 | 0.04 | 131.1 | 0.04 |
| | Fifth four | 4 | — | — | 13 | 0.01 | 0.9 | 0.02 | 31.8 | 0.03 | 167.8 | 0.02 | 89.6 | 0.03 |
| | Remainder | 1,263 | 0.98 | — | — | 1,317 | 0.83 | 13.5 | 0.35 | 349.5 | 0.27 | 1,895.2 | 0.23 | 780.8 |
| Industry total | 1,283 | 1.00 | — | — | 1,586 | 1.00 | 38.4 | 1.00 | 1,282.4 | 1.00 | 8,361.5 | 1.00 | 3,501.6 | 1.00 |
| 27 Metal product mfg | First four | 4 | — | — | 73 | 0.01 | 28.1 | 0.20 | 1,281.5 | 0.27 | 11,691.4 | 0.37 | 2,914.1 | 0.27 |
| | Second four | 4 | — | — | 44 | 0.01 | 9.1 | 0.06 | 398.2 | 0.08 | 2,975.0 | 0.10 | 856.8 | 0.08 |
| | Third four | 4 | — | — | 49 | 0.01 | 6.6 | 0.05 | 247.8 | 0.05 | 2,146.4 | 0.07 | 627.5 | 0.06 |
| | Fourth four | 4 | — | — | 71 | 0.01 | 6.3 | 0.04 | 233.5 | 0.05 | 1,408.2 | 0.05 | 533.2 | 0.05 |
| | Fifth four | 4 | — | — | 17 | — | 6.0 | 0.04 | 208.1 | 0.04 | 1,130.6 | 0.04 | 512.7 | 0.05 |
| | Remainder | 6,293 | 1.00 | — | — | 6,553 | 0.96 | 87.0 | 0.61 | 2,368.3 | 0.50 | 11,958.8 | 0.38 | 5,183.6 |
| Industry total | 6,313 | 1.00 | — | — | 6,807 | 1.00 | 143.1 | 1.00 | 4,737.5 | 1.00 | 31,310.4 | 1.00 | 10,627.9 | 1.00 |
| 28 Machinery and equipment mfg | First four | 4 | — | — | 35 | — | 23.0 | 0.12 | 712.1 | 0.12 | 6,471.4 | 0.21 | 1,462.7 | 0.12 |
| | Second four | 4 | — | — | 18 | — | 10.8 | 0.06 | 439.8 | 0.07 | 2,327.8 | 0.08 | 893.2 | 0.07 |
| | Third four | 4 | — | — | 24 | — | 7.1 | 0.04 | 237.4 | 0.04 | 1,812.0 | 0.06 | 751.4 | 0.06 |
| | Fourth four | 4 | — | — | 15 | — | 7.1 | 0.04 | 251.3 | 0.04 | 1,477.4 | 0.05 | 731.1 | 0.06 |
| | Fifth four | 4 | — | — | 20 | — | 3.9 | 0.02 | 155.9 | 0.03 | 986.5 | 0.03 | 364.3 | 0.03 |
| | Remainder | 7,095 | 1.00 | — | — | 7,371 | 0.99 | 136.5 | 0.73 | 4,190.4 | 0.70 | 17,705.8 | 0.58 | 8,235.8 |
| Industry total | 7,115 | 1.00 | — | — | 7,483 | 1.00 | 188.4 | 1.00 | 5,986.8 | 1.00 | 30,780.9 | 1.00 | 12,438.4 | 1.00 |
| 29 Other manufacturing | First four | 4 | — | — | 25 | — | 2.6 | 0.05 | 75.0 | 0.07 | 380.1 | 0.08 | 152.0 | 0.07 |
| | Second four | 4 | — | — | 8 | — | 1.2 | 0.03 | 37.5 | 0.03 | 174.1 | 0.04 | 72.3 | 0.04 |
| | Third four | 4 | — | — | 6 | — | 0.8 | 0.02 | 27.5 | 0.03 | 126.8 | 0.03 | 54.6 | 0.03 |
| | Fourth four | 4 | — | — | 5 | — | 0.7 | 0.02 | 25.5 | 0.02 | 112.6 | 0.02 | 48.5 | 0.02 |
| | Fifth four | 4 | — | — | 5 | — | 0.6 | 0.01 | 17.7 | 0.02 | 84.4 | 0.02 | 43.1 | 0.02 |
| | Remainder | 5,075 | 1.00 | — | — | 5,100 | 0.99 | 42.0 | 0.88 | 926.9 | 0.84 | 3,922.4 | 0.82 | 1,717.5 |
| Industry total | 5,095 | 1.00 | — | — | 5,149 | 1.00 | 47.9 | 1.00 | 1,110.2 | 1.00 | 4,800.4 | 1.00 | 2,088.0 | 1.00 |
| 21-29 Total manufacturing | First four | 4 | — | — | 244 | 0.01 | 43.5 | 0.05 | 3,844.7 | 0.07 | 16,297.4 | 0.10 | 5,126.8 | 0.08 |
| | Second four | 4 | — | — | 293 | 0.01 | 38.6 | 0.04 | 1,413.7 | 0.05 | 10,353.4 | 0.06 | 3,564.2 | 0.05 |
| | Third four | 4 | — | — | 200 | 0.01 | 34.6 | 0.04 | 1,144.2 | 0.04 | 8,940.1 | 0.05 | 2,763.8 | 0.04 |
| | Fourth four | 4 | — | — | 74 | — | 11.3 | 0.01 | 409.8 | 0.02 | 6,366.2 | 0.04 | 1,497.2 | 0.02 |
| | Fifth four | 4 | — | — | 58 | — | 12.5 | 0.01 | 446.2 | 0.02 | 4,823.5 | 0.03 | 1,535.3 | 0.02 |
| | Remainder | 35,248 | 1.00 | — | — | 37,416 | 0.98 | 741.4 | 0.84 | 22,024.4 | 0.81 | 123,144.7 | 0.72 | 51,670.6 |
| Industry total | 35,268 | 1.00 | — | — | 38,285 | 1.00 | 881.7 | 1.00 | 27,282.9 | 1.00 | 169,925.2 | 1.00 | 66,158.0 | 1.00 |

(a) See paragraph 9 of the Explanatory Notes. (b) See paragraphs 23 to 27 of the Explanatory Notes. (c) See paragraphs 5 to 12 of the Explanatory Notes. (d) Includes working proprietors. (e) Excludes the drawings of working proprietors.

TABLE 10. MANUFACTURING ESTABLISHMENTS (a): EXPENDITURE ON ENVIRONMENTAL PROTECTION (b)
BY INDUSTRY CLASS, AUSTRALIA, 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 | 10,987 | 0.2 | 5,627 | 4.3 |
| 2112 | Poultry processing | 2,467 | 0.1 | 598 | 1.0 |
| 2113 | Bacon, ham and smallgood mfg | 2,672 | 0.2 | 511 | 2.0 |
| 211 | <i>Total</i> | 16,128 | 0.2 | 6,736 | 3.1 |
| Dairy product mfg— | | | | | |
| 2121 | Milk and cream processing | 9,371 | 0.4 | 1,096 | 1.7 |
| 2122 | Ice cream mfg | 1,689 | 0.3 | 604 | 3.1 |
| 2129 | Dairy product mfg n.e.c. | 4,976 | 0.2 | 1,415 | 1.3 |
| 212 | <i>Total</i> | 16,036 | 0.3 | 3,115 | 1.6 |
| 213 | <i>Fruit and vegetable processing</i> | 24,023 | 1.0 | 1,388 | 0.7 |
| 214 | <i>Oil and fat mfg</i> | 2,573 | 0.4 | n.p. | n.p. |
| Flour mill and cereal food mfg— | | | | | |
| 2151 | Flour mill product mfg | 3,399 | 0.3 | 4,373 | 10.1 |
| 2152 | Cereal food and baking mix mfg | 1,147 | 0.1 | 2,003 | 2.5 |
| 215 | <i>Total</i> | 4,546 | 0.2 | 6,376 | 5.2 |
| Bakery product mfg— | | | | | |
| 2161 | Bread mfg | 2,143 | 0.2 | n.p. | n.p. |
| 2162 | Cake and pastry mfg | 1,035 | 0.1 | 449 | 1.6 |
| 2163 | Biscuit mfg | 620 | 0.1 | n.p. | n.p. |
| 216 | <i>Total</i> | 3,797 | 0.1 | 808 | 0.6 |
| Other food mfg— | | | | | |
| 2171 | Sugar mfg | 3,956 | 0.2 | 744 | 0.8 |
| 2172 | Confectionery mfg | 533 | — | n.p. | n.p. |
| 2173 | Seafood processing | 1,059 | 0.1 | n.p. | n.p. |
| 2174 | Prepared animal and bird feed mfg | 2,076 | 0.1 | 2,129 | 2.7 |
| 2179 | Food mfg n.e.c. | 10,193 | 0.6 | 1,077 | 1.2 |
| 217 | <i>Total</i> | 17,816 | 0.2 | 4,781 | 1.4 |
| Beverage and malt mfg— | | | | | |
| 2181 | Soft drink, cordial and syrup mfg | 2,492 | 0.1 | 655 | 0.6 |
| 2182 | Beer and malt mfg | 14,524 | 0.6 | 4,254 | 1.8 |
| 2183 | Wine mfg | n.p. | n.p. | 357 | 0.7 |
| 2184 | Spirit mfg | n.p. | n.p. | — | — |
| 218 | <i>Total</i> | 17,909 | 0.3 | 5,266 | 1.3 |
| 219 | <i>Tobacco product mfg</i> | 304 | — | n.p. | n.p. |
| 21 | <i>Total food, beverage and tobacco mfg</i> | 103,132 | 0.3 | 29,363 | 1.8 |

For footnotes see end of table.

**TABLE 10. MANUFACTURING ESTABLISHMENTS (a): EXPENDITURE ON ENVIRONMENTAL PROTECTION (b)
BY INDUSTRY CLASS, AUSTRALIA, 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 | 4,911 | 1.3 | 602 | 4.1 |
| 2212 | Synthetic fibre textile mfg | 2,578 | 0.4 | 463 | 2.6 |
| 2213 | Cotton textile mfg | 949 | 0.3 | n.p. | n.p. |
| 2214 | Wool textile mfg | 965 | 0.3 | n.p. | n.p. |
| 2215 | Textile finishing | 3,347 | 1.2 | 174 | 2.2 |
| 221 | <i>Total</i> | 12,748 | 0.6 | 1,300 | 1.2 |
| Textile product mfg— | | | | | |
| 2221 | Made-up textile product mfg | 508 | 0.1 | 144 | 1.3 |
| 2222 | Textile floor covering mfg | 679 | 0.1 | n.p. | n.p. |
| 2223 | Rope, cordage and twine mfg | 60 | 0.1 | — | — |
| 2229 | Textile product mfg n.e.c. | 120 | — | n.p. | n.p. |
| 222 | <i>Total</i> | 1,365 | 0.1 | 271 | 0.8 |
| Knitting mills— | | | | | |
| 2231 | Hosiery mfg | 447 | 0.2 | n.p. | n.p. |
| 2232 | Cardigan and pullover mfg | 30 | — | n.p. | n.p. |
| 2239 | Knitting mill product mfg n.e.c. | 599 | 0.1 | n.p. | n.p. |
| 223 | <i>Total</i> | 1,076 | 0.1 | 208 | 0.8 |
| Clothing mfg— | | | | | |
| 2241 | Men's and boys' wear mfg | 505 | 0.1 | — | — |
| 2242 | Women's and girls' wear mfg | 359 | — | — | — |
| 2243 | Sleepwear, underwear and infant clothing mfg | 148 | — | — | — |
| 2249 | Clothing mfg n.e.c. | 23,411 | 3.1 | n.p. | n.p. |
| 224 | <i>Total</i> | 24,423 | 0.8 | n.p. | n.p. |
| 225 | <i>Footwear mfg</i> | 390 | 0.1 | n.p. | n.p. |
| Leather and leather product mfg— | | | | | |
| 2261 | Leather tanning and fur dressing | 6,902 | 1.2 | 3,329 | 17.7 |
| 2262 | Leather and leather substitute product mfg | 29 | — | — | — |
| 226 | <i>Total</i> | 6,930 | 1.0 | 3,329 | 16.4 |
| 22 | <i>Total textile, clothing, footwear and leather mfg</i> | 46,932 | 0.5 | 5,320 | 2.2 |
| WOOD AND PAPER PRODUCT MFG— | | | | | |
| Log sawmilling and timber dressing— | | | | | |
| 2311 | Log sawmilling | 3,360 | 0.3 | 444 | 0.9 |
| 2312 | Wood chipping | 481 | 0.2 | n.p. | n.p. |
| 2313 | Timber resawing and dressing | 1,245 | 0.2 | n.p. | n.p. |
| 231 | <i>Total</i> | 5,085 | 0.2 | 1,327 | 1.6 |
| Other wood product mfg— | | | | | |
| 2321 | Plywood and veneer mfg | 355 | 0.2 | 110 | 2.4 |
| 2322 | Fabricated wood mfg | 2,764 | 0.4 | 2,931 | 8.9 |
| 2323 | Wooden structural component mfg | 1,918 | 0.1 | 436 | 1.4 |
| 2329 | Wood product mfg n.e.c. | 1,286 | 0.3 | 127 | 1.5 |
| 232 | <i>Total</i> | 6,325 | 0.2 | 3,604 | 4.7 |
| Paper and paper product mfg— | | | | | |
| 2331 | Pulp, paper and paperboard mfg | 22,012 | 1.2 | 21,117 | 12.8 |
| 2332 | Solid paperboard container mfg | 1,030 | 0.3 | 889 | 4.0 |
| 2333 | Corrugated paperboard container mfg | 2,119 | 0.2 | n.p. | n.p. |
| 2334 | Paper bag and sack mfg | 294 | 0.1 | n.p. | n.p. |
| 2339 | Paper product mfg n.e.c. | 3,026 | 0.3 | 8,666 | 19.6 |
| 233 | <i>Total</i> | 28,481 | 0.6 | 30,955 | 10.6 |
| 23 | <i>Total wood and paper product mfg</i> | 39,891 | 0.4 | 35,887 | 8.0 |

For footnotes see end of table.

**TABLE 10. MANUFACTURING ESTABLISHMENTS (a): EXPENDITURE ON ENVIRONMENTAL PROTECTION (b)
BY INDUSTRY CLASS, AUSTRALIA, 1992-93—continued**

| <i>Industry class</i> | | <i>Current expenditure on environmental protection</i> | | <i>Capital expenditure to abate pollution</i> | |
|--|--|--|---|---|--|
| <i>ANZSIC code</i> | <i>Description</i> | <i>(\$'000)</i> | <i>Proportion of total turnover (%)</i> | <i>(\$'000)</i> | <i>Proportion of total capital expenditure (%)</i> |
| PRINTING, PUBLISHING AND RECORDED MEDIA— | | | | | |
| Printing and services to printing— | | | | | |
| 2411 | Paper stationery mfg | 2,942 | 0.3 | 691 | 1.3 |
| 2412 | Printing | 4,608 | 0.1 | 545 | 0.3 |
| 2413 | Services to printing | 974 | 0.2 | 177 | 0.3 |
| 241 | <i>Total</i> | 8,525 | 0.2 | 1,411 | 0.5 |
| Publishing— | | | | | |
| 2421 | Newspaper printing or publishing | 1,034 | — | 1,212 | 0.4 |
| 2422 | Other periodical publishing | 65 | — | n.p. | n.p. |
| 2423 | Book and other publishing | n.p. | n.p. | — | — |
| 242 | <i>Total</i> | n.p. | n.p. | n.p. | n.p. |
| 243 | <i>Recorded media manufacturing and publishing</i> | n.p. | n.p. | n.p. | n.p. |
| 24 | <i>Total printing, publishing and recorded media</i> | 9,678 | 0.1 | 2,766 | 0.4 |
| PETROLEUM, COAL, CHEMICAL AND ASSOCIATED PRODUCT MFG— | | | | | |
| 251 | <i>Petroleum refining</i> | 21,901 | 0.3 | 68,569 | 11.1 |
| 252 | <i>Petroleum and coal product mfg n.e.c.</i> | 435 | 0.2 | n.p. | n.p. |
| Basic chemical mfg— | | | | | |
| 2531 | Fertiliser mfg | 4,765 | 0.4 | 5,676 | 17.7 |
| 2532 | Industrial gas mfg | 586 | 0.2 | n.p. | n.p. |
| 2533 | Synthetic resin mfg | 9,166 | 0.6 | 4,075 | 6.1 |
| 2534 | Organic industrial chemical mfg n.e.c. | 5,022 | 0.5 | 4,675 | 16.4 |
| 2535 | Inorganic industrial chemical mfg n.e.c. | 18,319 | 1.3 | 8,506 | 4.9 |
| 253 | <i>Total</i> | 37,858 | 0.7 | n.p. | n.p. |
| Other chemical product mfg— | | | | | |
| 2541 | Explosive mfg | 1,129 | 0.2 | n.p. | n.p. |
| 2542 | Paint mfg | 6,055 | 0.4 | 2,351 | 8.5 |
| 2543 | Medicinal and pharmaceutical product mfg | 4,876 | 0.2 | 2,591 | 1.4 |
| 2544 | Pesticide mfg | 1,817 | 0.3 | 1,624 | 17.3 |
| 2545 | Soap and other detergent mfg | 2,979 | 0.3 | 2,479 | 6.8 |
| 2546 | Cosmetic and toiletry preparation mfg | 1,112 | 0.2 | n.p. | n.p. |
| 2547 | Ink mfg | 1,023 | 0.6 | 277 | 4.5 |
| 2549 | Chemical product mfg n.e.c. | 1,999 | 0.3 | 1,572 | 6.1 |
| 254 | <i>Total</i> | 20,991 | 0.3 | 11,282 | 3.1 |
| Rubber product mfg— | | | | | |
| 2551 | Rubber tyre mfg | 2,266 | 0.2 | 111 | 0.3 |
| 2559 | Rubber product mfg n.e.c. | 560 | 0.2 | 289 | 3.9 |
| 255 | <i>Total</i> | 2,826 | 0.2 | 400 | 1.0 |
| Plastic product mfg— | | | | | |
| 2561 | Plastic blow moulded product mfg | 1,374 | 0.2 | n.p. | n.p. |
| 2562 | Plastic extruded product mfg | 1,879 | 0.2 | n.p. | n.p. |
| 2563 | Plastic bag and film mfg | 3,701 | 0.3 | 1,418 | 1.7 |
| 2564 | Plastic product, rigid fibre reinforced, mfg | 586 | 0.2 | 53 | 0.7 |
| 2565 | Plastic foam product mfg | 1,807 | 0.6 | 350 | 5.4 |
| 2566 | Plastic injection moulded product mfg | 4,552 | 0.3 | 609 | 1.0 |
| 256 | <i>Total</i> | 13,899 | 0.3 | 4,871 | 2.0 |
| 25 | <i>Total petroleum, coal, chemical and associated product mfg</i> | 97,911 | 0.4 | 108,733 | 6.8 |

For footnotes see end of table.

**TABLE 10. MANUFACTURING ESTABLISHMENTS (a): EXPENDITURE ON ENVIRONMENTAL PROTECTION (b)
BY INDUSTRY CLASS, AUSTRALIA, 1992-93—continued**

| Industry class | | Current expenditure on environmental protection | | Capital expenditure to abate pollution | |
|---|--|---|----------------------------------|--|---|
| | | (\$'000) | Proportion of total turnover (%) | (\$'000) | Proportion of total capital expenditure (%) |
| ANZSIC code | Description | | | | |
| NON-METALLIC MINERAL PRODUCT MFG— | | | | | |
| 261 | Glass and glass product mfg | 3,737 | 0.4 | 283 | 0.2 |
| Ceramic mfg— | | | | | |
| 2621 | Clay brick mfg | 822 | 0.1 | 344 | 0.3 |
| 2622 | Ceramic product mfg | 196 | 0.1 | 158 | 1.4 |
| 2623 | Ceramic tile and pipe mfg | 499 | 0.2 | 14 | 0.1 |
| 2629 | Ceramic product mfg n.e.c. | 1,455 | 0.6 | 138 | 1.3 |
| 262 | Total | 2,973 | 0.2 | 653 | 0.5 |
| Cement, lime, plaster and concrete product mfg— | | | | | |
| 2631 | Cement and lime mfg | 4,146 | 0.4 | 6,896 | 8.2 |
| 2632 | Plaster product mfg | 2,129 | 0.4 | 189 | 0.9 |
| 2633 | Concrete slurry mfg | 4,689 | 0.2 | 4,428 | 6.3 |
| 2634 | Concrete pipe and box culvert mfg | n.p. | n.p. | n.p. | n.p. |
| 2635 | Concrete product mfg n.e.c. | n.p. | n.p. | n.p. | n.p. |
| 263 | Total | 14,391 | 0.3 | 17,110 | 7.1 |
| 264 | Non-metallic mineral product mfg n.e.c. | 3,472 | 0.4 | 950 | 3.7 |
| 26 | Total non-metallic mineral product mfg | 24,573 | 0.3 | 18,996 | 3.6 |
| METAL PRODUCT MFG— | | | | | |
| Iron and steel mfg— | | | | | |
| 2711 | Basic iron and steel mfg | 121,739 | 1.6 | 45,943 | 12.0 |
| 2712 | Iron and steel casting and forging | 5,604 | 0.7 | 855 | 3.4 |
| 2713 | Steel pipe and tube mfg | 2,310 | 0.4 | 277 | 1.3 |
| 271 | Total | 129,652 | 1.4 | 47,076 | 10.9 |
| Basic non-ferrous metal mfg— | | | | | |
| 2721 | Alumina production | 35,594 | 1.4 | 56,392 | 24.1 |
| 2722 | Aluminium smelting | 18,625 | 0.9 | 57,127 | 10.8 |
| 2723 | Copper, silver, lead and zinc smelting, refining | 26,182 | 1.1 | 31,616 | 20.3 |
| 2729 | Basic non-ferrous metal mfg n.e.c. | 7,657 | 0.5 | 9,329 | 8.4 |
| 272 | Total | 88,058 | 1.0 | 154,464 | 15.0 |
| Non-ferrous basic metal product mfg— | | | | | |
| 2731 | Aluminium rolling, drawing, extruding | 1,714 | 0.1 | 177 | 0.3 |
| 2732 | Non-ferrous metal rolling, drawing, extruding n.e.c. | 1,230 | 0.2 | 374 | 4.2 |
| 2733 | Non-ferrous metal casting | 777 | 0.3 | 164 | 0.6 |
| 273 | Total | 3,721 | 0.2 | 714 | 0.7 |
| Structural metal product mfg— | | | | | |
| 2741 | Structural steel fabricating | 1,898 | 0.1 | 69 | 0.1 |
| 2742 | Architectural aluminium product mfg | 1,131 | 0.1 | 33 | 0.2 |
| 2749 | Structural metal product mfg n.e.c. | 325 | 0.1 | 33 | 0.4 |
| 274 | Total | 3,354 | 0.1 | 136 | 0.2 |
| Sheet metal product mfg— | | | | | |
| 2751 | Metal container mfg | 2,757 | 0.2 | 585 | 1.2 |
| 2759 | Sheet metal product mfg n.e.c. | 1,466 | 0.1 | 83 | 0.2 |
| 275 | Total | 4,223 | 0.1 | 668 | 0.8 |
| Fabricated metal product mfg— | | | | | |
| 2761 | Hand tool and general hardware mfg | 363 | 0.2 | n.p. | n.p. |
| 2762 | Spring and wire product mfg | 1,898 | 0.2 | 5,120 | 20.7 |
| 2763 | Nut, bolt, screw and rivet mfg | 525 | 0.2 | n.p. | n.p. |
| 2764 | Metal coating and finishing | 3,840 | 0.8 | 1,156 | 8.6 |
| 2765 | Non-ferrous pipe fitting mfg | 359 | 0.1 | n.p. | n.p. |
| 2769 | Fabricated metal product mfg n.e.c. | 2,740 | 0.1 | 476 | 0.7 |
| 276 | Total | 9,725 | 0.2 | 7,162 | 5.8 |
| 27 | Total metal product mfg | 238,733 | 0.8 | 210,219 | 11.3 |

For footnotes see end of table.

TABLE 10. MANUFACTURING ESTABLISHMENTS (a): EXPENDITURE ON ENVIRONMENTAL PROTECTION (b)
BY INDUSTRY CLASS, AUSTRALIA, 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 | 10,173 | 0.1 | 3,098 | 0.2 |
| 2812 | Motor vehicle body mfg | 886 | 0.1 | n.p. | n.p. |
| 2813 | Automotive electrical and instrument mfg | 1,673 | 0.2 | n.p. | n.p. |
| 2819 | Automotive component mfg n.e.c. | 3,932 | 0.2 | 953 | 1.1 |
| 281 | <i>Total</i> | <i>16,664</i> | <i>0.2</i> | <i>4,566</i> | <i>0.3</i> |
| Other transport equipment mfg— | | | | | |
| 2821 | Shipbuilding | 1,824 | 0.1 | n.p. | n.p. |
| 2822 | Boatbuilding | 154 | — | n.p. | n.p. |
| 2823 | Railway equipment mfg | 261 | — | 45 | 0.8 |
| 2824 | Aircraft mfg | 505 | — | 192 | 0.2 |
| 2829 | Transport equipment mfg n.e.c. | 38 | 0.1 | — | — |
| 282 | <i>Total</i> | <i>2,782</i> | <i>0.1</i> | <i>292</i> | <i>0.2</i> |
| Photographic and scientific equipment mfg— | | | | | |
| 2831 | Photographic and optical good mfg | 1,918 | 0.5 | n.p. | n.p. |
| 2832 | Medical and surgical equipment mfg | 156 | 0.1 | — | — |
| 2839 | Professional and scientific equipment mfg n.e.c. | 542 | 0.1 | n.p. | n.p. |
| 283 | <i>Total</i> | <i>2,616</i> | <i>0.2</i> | <i>1,055</i> | <i>1.6</i> |
| Electronic equipment mfg— | | | | | |
| 2841 | Computer and business machine mfg | 507 | 0.1 | 266 | 2.9 |
| 2842 | Telecommunication, broadcasting and transceiving equipment mfg | 752 | — | 999 | 3.0 |
| 2849 | Electronic equipment mfg n.e.c. | 1,488 | 0.1 | 617 | 1.3 |
| 284 | <i>Total</i> | <i>2,747</i> | <i>0.1</i> | <i>1,882</i> | <i>2.1</i> |
| Electrical equipment and appliance mfg— | | | | | |
| 2851 | Household appliance mfg | 2,147 | 0.1 | 558 | 1.3 |
| 2852 | Electric cable and wire mfg | 1,633 | 0.1 | n.p. | n.p. |
| 2853 | Battery mfg | 1,344 | 0.5 | n.p. | n.p. |
| 2854 | Electric light and sign mfg | 814 | 0.2 | 90 | 0.5 |
| 2859 | Electrical equipment mfg n.e.c. | 1,582 | 0.1 | 545 | 1.1 |
| 285 | <i>Total</i> | <i>7,520</i> | <i>0.1</i> | <i>1,360</i> | <i>0.9</i> |
| Industrial machinery and equipment mfg— | | | | | |
| 2861 | Agricultural machinery mfg | 787 | 0.1 | n.p. | n.p. |
| 2862 | Mining and construction machinery mfg | 554 | 0.1 | 33 | 0.4 |
| 2863 | Food processing machinery mfg | 151 | 0.1 | — | — |
| 2864 | Machine tool and part mfg | 721 | 0.1 | 61 | 0.3 |
| 2865 | Lifting and material handling equipment mfg | 2,964 | 0.2 | 20 | 0.1 |
| 2866 | Pump and compressor mfg | 553 | 0.1 | n.p. | n.p. |
| 2867 | Commercial space heating and cooling equipment mfg | 401 | 0.1 | n.p. | n.p. |
| 2869 | Industrial machinery and equipment mfg n.e.c. | 1,765 | 0.1 | 203 | 0.5 |
| 286 | <i>Total</i> | <i>7,895</i> | <i>0.1</i> | <i>413</i> | <i>0.3</i> |
| 28 | <i>Total machinery and equipment mfg</i> | <i>46,224</i> | <i>0.1</i> | <i>9,568</i> | <i>0.4</i> |

For footnotes see end of table.

**TABLE 10. MANUFACTURING ESTABLISHMENTS (a): EXPENDITURE ON ENVIRONMENTAL PROTECTION (b)
BY INDUSTRY CLASS, AUSTRALIA, 1992-93—continued**

| <i>Industry class</i> | | <i>Current expenditure on environmental protection</i> | | <i>Capital expenditure to abate pollution</i> | |
|-------------------------------------|---|--|---|---|--|
| <i>ANZSIC code</i> | <i>Description</i> | <i>(\$ '000)</i> | <i>Proportion of total turnover (%)</i> | <i>(\$ '000)</i> | <i>Proportion of total capital expenditure (%)</i> |
| OTHER MANUFACTURING— | | | | | |
| Prefabricated building mfg— | | | | | |
| 2911 | Prefabricated metal building mfg | 443 | 0.1 | — | — |
| 2919 | Prefabricated building mfg n.e.c. | 106 | 0.2 | 11 | 1.0 |
| 291 | <i>Total</i> | 548 | 0.1 | 11 | 0.1 |
| Furniture mfg— | | | | | |
| 2921 | Wooden furniture and upholstered seat mfg | 3,278 | 0.2 | 369 | 1.2 |
| 2922 | Sheet metal furniture mfg | 363 | 0.1 | 6 | 0.1 |
| 2923 | Mattress mfg (except rubber) | 153 | — | — | — |
| 2929 | Furniture mfg n.e.c. | 1,319 | 0.3 | 82 | 0.8 |
| 292 | <i>Total</i> | 5,112 | 0.2 | 456 | 0.9 |
| Miscellaneous manufacturing— | | | | | |
| 2941 | Jewellery and silverware mfg | 180 | 0.1 | 110 | 0.9 |
| 2942 | Toy and sporting good mfg | 997 | 0.4 | 33 | 1.2 |
| 2949 | Manufacturing n.e.c. | 1,020 | 0.2 | 180 | 1.1 |
| 294 | <i>Total</i> | 2,197 | 0.2 | 322 | 1.0 |
| 29 | <i>Total other manufacturing</i> | 7,858 | 0.2 | 789 | 0.8 |
| 21-29 | TOTAL MANUFACTURING | 608,933 | 0.4 | 421,642 | 4.5 |

(a) See paragraph 9 of the Explanatory Notes. (b) See paragraph 28 of the Explanatory Notes. Establishments which did not respond to the questions are treated as having nil expenditure.

TABLE 11. MANUFACTURING ESTABLISHMENTS (a): EXPORTS OF GOODS PRODUCED BY BROAD EMPLOYMENT SIZE (b) BY INDUSTRY SUBDIVISION AUSTRALIA, 1992-93 (c)

| Industry subdivision ANZSIC code | Description | Employment size group | | | | | | Total | |
|--|--|---|--|---|--|---|--|---|--|
| | | 0-49 persons | | 50-99 persons | | 100 or more persons | | | |
| | | 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 | 547.2 | 9.8 | 376.1 | 9.3 | 4,981.7 | 19.2 | 5,905.0 | 16.6 |
| 22 | Textile, clothing, footwear and leather mfg | 165.1 | 6.5 | 258.0 | 17.1 | 472.9 | 11.6 | 896.1 | 11.0 |
| 23 | Wood and paper product mfg | 75.4 | 2.8 | 249.3 | 19.3 | 260.2 | 4.7 | 585.0 | 6.1 |
| 24 | Printing, publishing and recorded media | 37.0 | 1.0 | 18.9 | 1.6 | 235.1 | 7.0 | 291.0 | 3.6 |
| 25 | Petroleum, coal, chemical and associated product mfg | 243.7 | 4.7 | 235.7 | 7.5 | 1,228.1 | 6.8 | 1,707.6 | 6.5 |
| 26 | Non-metallic mineral product mfg | 39.0 | 1.9 | 13.4 | 1.2 | 81.4 | 1.7 | 133.9 | 1.7 |
| 27 | Metal product mfg | 528.2 | 7.6 | 272.3 | 6.8 | 5,308.1 | 28.1 | 6,108.6 | 20.4 |
| 28 | Machinery and equipment mfg | 436.8 | 7.9 | 381.5 | 13.8 | 2,384.8 | 12.8 | 3,203.1 | 11.9 |
| 29 | Other manufacturing | 33.4 | 1.1 | 10.7 | 1.5 | 35.4 | 4.3 | 79.5 | 1.8 |
| 21-29 | Total manufacturing | 2,105.9 | 5.7 | 1,816.1 | 9.2 | 14,987.6 | 15.0 | 18,909.7 | 12.0 |

(a) See paragraph 9 of the Explanatory Notes. (b) See paragraphs 22 and 29 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 12. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS (IN PERCENTAGE TERMS) BY PROPORTION OF EXPORTS (b) BY INDUSTRY SUBDIVISION AUSTRALIA, 1992-93

| Industry subdivision ANZSIC code | Description | Establishments that do not export | | | | Establishments with exports up to and including 50 per cent of sales of goods that they produced | | | | Establishments with exports of more than 50 per cent of sales of goods that they produced | | | |
|--|--|-----------------------------------|----------------------------|--------------|-----------------|--|----------------------------|--------------|-----------------|---|----------------------------|--------------|-----------------|
| | | 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 | 53.3 | 48.0 | 45.8 | 46.3 | 34.0 | 39.4 | 40.4 | 44.2 | 12.8 | 12.6 | 13.8 | 9.4 |
| 22 | Textile, clothing, footwear and leather mfg | 58.6 | 54.3 | 50.4 | 51.3 | 36.3 | 39.9 | 39.7 | 42.5 | 5.0 | 5.8 | 9.9 | 6.3 |
| 23 | Wood and paper product mfg | 76.9 | 71.4 | 64.8 | 62.4 | 21.5 | 26.4 | 31.2 | 33.1 | 1.6 | 2.2 | 3.9 | 4.5 |
| 24 | Printing, publishing and recorded media | 80.8 | 78.0 | 73.2 | 74.5 | 17.3 | 19.7 | 24.7 | 23.5 | 1.9 | 2.3 | 2.1 | 2.0 |
| 25 | Petroleum, coal, chemical and associated product mfg | 52.1 | 48.0 | 37.3 | 40.9 | 46.4 | 50.4 | 61.1 | 57.3 | 1.6 | 1.7 | 1.6 | 1.8 |
| 26 | Non-metallic mineral product mfg | 75.2 | 74.0 | 78.8 | 73.2 | 24.2 | 25.5 | 20.9 | 26.4 | 0.6 | 0.5 | 0.3 | 0.4 |
| 27 | Metal product mfg | 56.5 | 48.4 | 42.3 | 43.1 | 35.1 | 40.0 | 39.8 | 39.8 | 8.5 | 11.6 | 17.8 | 17.1 |
| 28 | Machinery and equipment mfg | 46.3 | 45.6 | 39.0 | 42.4 | 47.7 | 47.9 | 52.3 | 48.2 | 5.9 | 6.5 | 8.7 | 9.4 |
| 29 | Other manufacturing | 86.0 | 84.4 | 83.1 | 83.7 | 13.3 | 14.8 | 16.3 | 16.3 | 0.7 | 0.7 | 0.6 | — |
| 21-29 | Total manufacturing | 59.6 | 55.1 | 48.4 | 50.8 | 34.6 | 38.2 | 42.6 | 41.7 | 5.9 | 6.6 | 9.0 | 7.5 |

(a) See paragraph 9 of the Explanatory Notes. (b) See paragraph 29 of the Explanatory Notes. (c) Includes working proprietors. (d) Excludes the drawings of working proprietors.

TABLE 13. MANUFACTURING ESTABLISHMENTS (a): COMPONENTS OF TURNOVER BY INDUSTRY SUBDIVISION, AUSTRALIA, 1992-93

| Industry subdivision ANZSIC code | Description | Sales and transfers out | | | | | | | Turnover (b) (\$m) |
|--|--|---|--|---|----------------|-------------------------------------|---|--|-----------------------|
| | | Goods produced by the establishment (\$m) | Goods produced by the establishment (or for it on commission) (\$m) | Goods not produced by the establishment (\$m) | Total (\$m) | Income from services (\$m) | Total government subsidies (\$m) | Rent, leasing and hiring income (\$m) | |
| 21 | Food, beverage and tobacco mfg | 35,895.1 | 473.9 | 36,369.0 | 403.0 | 20.4 | 38.4 | 186.1 | 37,038.0 |
| 22 | Textile, clothing, footwear and leather mfg | 8,201.6 | 196.9 | 8,398.5 | 333.3 | 95.0 | 9.8 | 12.5 | 8,849.1 |
| 23 | Wood and paper product mfg | 9,569.8 | 159.5 | 9,729.3 | 120.8 | 20.5 | 24.4 | 14.3 | 9,909.3 |
| 24 | Printing, publishing and recorded media | 8,215.9 | 163.5 | 8,379.4 | 2,889.3 | 28.1 | 17.2 | 11.7 | 11,325.7 |
| 25 | Petroleum, coal, chemical and associated product mfg | 26,467.5 | 399.9 | 26,867.4 | 452.6 | 41.0 | 84.9 | 102.9 | 27,550.0 |
| 26 | Non-metallic mineral product mfg | 8,041.9 | 156.1 | 8,198.0 | 111.2 | 3.1 | 13.0 | 32.7 | 8,361.5 |
| 27 | Metal product mfg | 29,934.8 | 425.4 | 30,360.2 | 688.4 | 20.1 | 30.3 | 211.4 | 31,310.4 |
| 28 | Machinery and equipment mfg | 26,929.2 | 544.9 | 27,474.1 | 2,938.9 | 184.8 | 83.2 | 99.3 | 30,780.9 |
| 29 | Other manufacturing | 4,472.7 | 127.4 | 4,600.1 | 172.6 | 11.7 | 10.3 | 5.7 | 4,800.4 |
| 21-29 | Total manufacturing | 157,728.3 | 2,647.6 | 160,375.9 | 8,109.9 | 424.6 | 311.6 | 676.5 | 169,925.2 |

(a) See paragraph 9 of the Explanatory Notes. (b) Where the sum of the components of turnover does not equal total turnover, the difference is due to the inclusion of imputed commission in total turnover.

TABLE 14. MANUFACTURING ESTABLISHMENTS (a): COMPONENTS OF PURCHASES, TRANSFERS IN AND SELECTED EXPENSES BY INDUSTRY SUBDIVISION AUSTRALIA, 1992-93

| Industry subdivision ANZSIC code | Description | Purchases and transfers in (\$m) | Rent, leasing and hiring expenses (\$m) | Outward freight and cartage expenses (\$m) | Motor vehicle running expenses (\$m) | Contract, subcontract and commission expenses (\$m) | Repair and maintenance expenses (\$m) | Total purchases, transfers in and selected expenses (\$m) |
|--|--|--|--|---|--|---|--|--|
| | | | | | | | | |
| 22 | Textile, clothing, footwear and leather mfg | 4,102.5 | 115.8 | 123.7 | 54.1 | 502.2 | 134.8 | 5,033.0 |
| 23 | Wood and paper product mfg | 4,983.5 | 107.9 | 336.0 | 87.3 | 203.8 | 300.6 | 6,019.2 |
| 24 | Printing, publishing and recorded media | 3,829.8 | 258.6 | 200.4 | 99.7 | 409.5 | 124.6 | 4,922.5 |
| 25 | Petroleum, coal, chemical and associated product mfg | 15,947.0 | 195.9 | 499.1 | 140.9 | 330.0 | 506.8 | 17,619.7 |
| 26 | Non-metallic mineral product mfg | 3,640.5 | 74.2 | 538.6 | 73.1 | 176.1 | 308.3 | 4,810.9 |
| 27 | Metal product mfg | 17,486.5 | 220.4 | 888.5 | 161.0 | 662.0 | 1,147.3 | 20,565.7 |
| 28 | Machinery and equipment mfg | 17,024.9 | 314.6 | 245.7 | 178.0 | 377.1 | 362.4 | 18,502.7 |
| 29 | Other manufacturing | 2,304.8 | 95.9 | 67.9 | 64.2 | 160.2 | 40.3 | 2,733.2 |
| 21-29 | Total manufacturing | 90,720.9 | 1,593.5 | 3,870.6 | 1,101.8 | 3,165.0 | 3,526.2 | 103,978.0 |

(a) See paragraph 9 of the Explanatory Notes.

TABLE 15. MANUFACTURING ESTABLISHMENTS (a): COMPONENTS OF OPENING AND CLOSING STOCKS BY INDUSTRY SUBDIVISION, AUSTRALIA, 1992-93

| Industry subdivision ANZSIC code | Description | Opening stocks | | | Closing stocks | | | | |
|--|--|--|-------------------------------|----------------------------|----------------|--|-------------------------------|----------------------------|----------------|
| | | Raw materials, fuels, containers, etc (\$m) | Work-in- progress (\$m) | Finished goods (\$m) | Total (\$m) | Raw materials, fuels, containers, etc (\$m) | Work-in- progress (\$m) | Finished goods (\$m) | Total (\$m) |
| 21 | Food, beverage and tobacco mfg | 1,515.2 | 516.6 | 1,382.8 | 3,414.7 | 1,508.9 | 525.3 | 1,472.6 | 3,506.8 |
| 22 | Textile, clothing, footwear and leather mfg | 555.1 | 225.8 | 537.3 | 1,318.1 | 558.9 | 210.5 | 561.7 | 1,331.1 |
| 23 | Wood and paper product mfg | 458.1 | 196.0 | 413.0 | 1,067.2 | 477.3 | 180.0 | 433.4 | 1,090.8 |
| 24 | Printing, publishing and recorded media | 387.3 | 106.9 | 167.1 | 661.3 | 400.1 | 100.9 | 170.7 | 671.8 |
| 25 | Petroleum, coal, chemical and associated product mfg | 1,281.0 | 366.6 | 1,402.5 | 3,050.0 | 1,279.6 | 400.1 | 1,426.8 | 3,106.4 |
| 26 | Non-metallic mineral product mfg | 389.7 | 87.2 | 467.6 | 944.5 | 362.5 | 69.9 | 463.1 | 895.5 |
| 27 | Metal product mfg | 1,650.4 | 1,073.8 | 1,402.4 | 4,126.6 | 1,651.1 | 1,090.8 | 1,267.9 | 4,009.8 |
| 28 | Machinery and equipment mfg | 1,952.5 | 1,217.4 | 1,279.8 | 4,449.7 | 2,038.2 | 1,275.3 | 1,296.4 | 4,609.9 |
| 29 | Other manufacturing | 261.7 | 95.3 | 154.6 | 511.6 | 270.1 | 103.4 | 159.0 | 532.5 |
| 21-29 | Total manufacturing | 8,451.0 | 3,885.5 | 7,207.1 | 19,543.7 | 8,546.8 | 3,956.1 | 7,251.6 | 19,754.5 |

(a) See paragraph 9 of the Explanatory Notes.

TABLE 16. MANUFACTURING ESTABLISHMENTS (a): COMPONENTS OF CAPITAL EXPENDITURE AND DISPOSAL OF ASSETS BY INDUSTRY SUBDIVISION AUSTRALIA, 1992-93

| Industry subdivision ANZSIC code | Description | Acquisition of | | | | Disposal of | | | |
|--|--|---|---|--|----------------|---|---|--|----------------|
| | | Plant, machinery and equipment (b) (\$m) | Dwellings, other buildings and structures (\$m) | Other land (including and intangible assets) (\$m) | Total (\$m) | Plant, machinery and equipment (b) (\$m) | Dwellings, other buildings and structures (\$m) | Other land (including and intangible assets) (\$m) | Total (\$m) |
| 21 | Food, beverage and tobacco mfg | 1,380.2 | 235.5 | 59.0 | 1,674.6 | 98.1 | 27.4 | 14.6 | 140.0 |
| 22 | Textile, clothing, footwear and leather mfg | 204.0 | 33.6 | 8.7 | 246.4 | 33.1 | 12.0 | 0.8 | 45.8 |
| 23 | Wood and paper product mfg | 383.0 | 50.6 | 15.6 | 449.2 | 91.0 | 6.4 | 8.2 | 105.6 |
| 24 | Printing, publishing and recorded media | 377.3 | 231.2 | 35.2 | 643.6 | 57.5 | 2.1 | 2.9 | 62.5 |
| 25 | Petroleum, coal, chemical and associated product mfg | 1,445.2 | 111.8 | 40.9 | 1,597.9 | 81.3 | 6.3 | 13.1 | 100.7 |
| 26 | Non-metallic mineral product mfg | 471.6 | 36.3 | 14.5 | 522.3 | 29.0 | 2.4 | 9.1 | 40.5 |
| 27 | Metal product mfg | 1,668.0 | 179.5 | 19.9 | 1,867.4 | 163.6 | 5.0 | 7.4 | 175.9 |
| 28 | Machinery and equipment mfg | 2,064.8 | 204.9 | 69.9 | 2,339.6 | 138.6 | 18.9 | 9.1 | 166.6 |
| 29 | Other manufacturing | 78.1 | 13.8 | 2.0 | 94.0 | 11.5 | 4.1 | 6.5 | 22.1 |
| 21-29 | Total manufacturing | 8,072.1 | 1,097.2 | 265.7 | 9,435.0 | 703.5 | 84.6 | 71.7 | 859.9 |

(a) See paragraph 9 of the Explanatory Notes. (b) Includes motor vehicles.

TABLE 17. MANUFACTURING MANAGEMENT UNITS (a): DERIVATION OF INDUSTRY GROSS PRODUCT BY INDUSTRY SUBDIVISION, AUSTRALIA, 1992-93
(\$ million)

| Items | ANZSIC subdivision description and code | | | | | | | | | | Total manufacturing 21-29 |
|--|---|--|-------------------------------|--|---|-------------------------------------|----------------------|--------------------------------|------------------------|-----------|---------------------------|
| | Food, beverage and tobacco mfg 21 | Textile, clothing, footwear and leather mfg 22 | Wood and paper product mfg 23 | Printing, publishing and recorded media 24 | Petroleum, coal, chemical and associated product mfg 25 | Non-metallic mineral product mfg 26 | Metal product mfg 27 | Machinery and equipment mfg 28 | Other manufacturing 29 | | |
| Sales of goods | 36,898.2 | 8,232.8 | 9,631.9 | 10,006.2 | 28,073.7 | 8,741.9 | 27,035.6 | 30,448.1 | 4,465.8 | 163,534.3 | |
| Plus | | | | | | | | | | | |
| Other selected income | 709.0 | 430.7 | 224.4 | 1,295.4 | 609.0 | 203.7 | 864.3 | 2,839.0 | 195.3 | 7,370.9 | |
| Turnover | 37,557.4 | 8,663.5 | 9,856.3 | 11,301.6 | 28,682.8 | 8,945.6 | 27,899.8 | 33,287.0 | 4,661.2 | 170,855.3 | |
| Less | | | | | | | | | | | |
| Purchases and selected expenses | 23,747.7 | 4,982.9 | 5,597.9 | 4,870.0 | 18,480.4 | 4,775.2 | 17,753.7 | 20,083.8 | 2,641.4 | 102,933.1 | |
| Plus | | | | | | | | | | | |
| Change in stocks | 287.9 | 23.6 | 45.7 | 10.1 | 127.6 | -61.5 | -161.4 | 108.9 | 32.1 | 413.1 | |
| Value added | 14,119.0 | 3,704.2 | 4,304.1 | 6,441.8 | 10,330.0 | 4,108.9 | 9,984.7 | 13,312.1 | 2,051.8 | 68,356.6 | |
| Less | | | | | | | | | | | |
| Fringe benefits tax | 34.5 | 10.2 | 7.9 | 19.2 | 34.3 | 10.7 | 27.4 | 38.4 | 4.8 | 187.4 | |
| Payroll tax | 274.9 | 86.7 | 86.1 | 124.8 | 192.2 | 69.8 | 253.2 | 305.2 | 27.7 | 1,420.5 | |
| Other operating expenses (excluding income tax and extraordinary expenses) | 3,664.1 | 778.6 | 647.6 | 1,215.9 | 2,824.4 | 887.6 | 1,677.6 | 3,346.6 | 406.2 | 15,448.6 | |
| INDUSTRY GROSS PRODUCT | 10,145.4 | 2,828.7 | 3,562.6 | 5,081.9 | 7,279.1 | 3,141.0 | 8,026.5 | 9,621.8 | 1,613.2 | 51,300.1 | |

(a) See paragraph 8 of the Explanatory Notes.

TABLE 18. MANUFACTURING MANAGEMENT UNITS (6): DERIVATION OF OPERATING PROFIT BEFORE TAX BY INDUSTRY SUBDIVISION, AUSTRALIA, 1992-93
(\$ million)

| Items | ANZSIC subdivision description and code | | | | | | | | | | Total manufacturing 21-29 |
|---|---|--|-------------------------------|--|---|-------------------------------------|----------------------|--------------------------------|------------------------|-----------------|---------------------------|
| | Food, beverage and tobacco mfg 21 | Textile, clothing, footwear and leather mfg 22 | Wood and paper product mfg 23 | Printing, publishing and recorded media 24 | Petroleum, coal, chemical and associated product mfg 25 | Non-metallic mineral product mfg 26 | Metal product mfg 27 | Machinery and equipment mfg 28 | Other manufacturing 29 | | |
| Sales of goods and services | 37,376.3 | 8,545.6 | 9,765.0 | 11,244.4 | 28,364.7 | 8,872.5 | 27,657.1 | 32,939.2 | 4,634.2 | 169,399.2 | |
| <i>Less</i> | | | | | | | | | | | |
| Cost of sales | 27,433.3 | 5,834.8 | 6,293.8 | 6,219.8 | 21,403.7 | 5,804.7 | 19,873.3 | 23,665.2 | 3,048.0 | 119,576.5 | |
| Trading profit | 9,943.0 | 2,710.8 | 3,471.2 | 5,024.7 | 6,961.0 | 3,067.8 | 7,783.8 | 9,274.0 | 1,586.2 | 49,822.7 | |
| <i>Plus</i> | | | | | | | | | | | |
| Interest income | 150.2 | 20.6 | 22.0 | 72.9 | 81.4 | 20.5 | 100.7 | 123.4 | 11.4 | 603.2 | |
| Other operating income | 444.4 | 166.3 | 80.1 | 216.7 | 294.3 | 112.5 | 143.6 | 709.2 | 36.9 | 2,203.9 | |
| <i>Less</i> | | | | | | | | | | | |
| Selected labour costs | 5,681.5 | 1,993.7 | 2,037.3 | 2,888.0 | 3,909.0 | 1,612.6 | 5,247.1 | 6,701.2 | 1,174.7 | 31,245.1 | |
| Depreciation | 971.6 | 165.0 | 350.4 | 301.2 | 857.6 | 362.2 | 971.0 | 792.1 | 65.5 | 4,836.6 | |
| Other expenses | 250.1 | 103.8 | 205.7 | 613.2 | 357.8 | 112.2 | 200.5 | 380.9 | 55.1 | 2,279.2 | |
| Earnings before interest and tax | 3,623.7 | 635.2 | 980.0 | 1,511.8 | 2,212.4 | 1,113.9 | 1,609.5 | 2,232.4 | 339.2 | 14,258.1 | |
| <i>Less</i> | | | | | | | | | | | |
| Interest expenses | 655.2 | 150.9 | 221.0 | 345.4 | 361.3 | 235.7 | 309.0 | 434.8 | 78.1 | 2,791.5 | |
| OPERATING PROFIT BEFORE TAX | 2,968.7 | 484.3 | 759.0 | 1,166.4 | 1,851.1 | 878.2 | 1,300.5 | 1,797.6 | 261.1 | 11,466.9 | |

(a) See paragraph 8 of the Explanatory Notes.

TABLE 19. MANUFACTURING MANAGEMENT UNITS (a): ASSETS, LIABILITIES AND NET WORTH BY INDUSTRY SUBDIVISION, AUSTRALIA, 1992-93
(\$ million)

| Items | ANZSIC subdivision description and code | | | | | | | | | | Total manufacturing 21-29 |
|-----------------------------------|--|--|---|---|---|---|-------------------------------|--|------------------------------|------------------|---------------------------------|
| | Food, beverage and tobacco mfg 21 | Textile, clothing, footwear and leather mfg 22 | Wood and paper product mfg 23 | Printing, publishing and recorded media 24 | Petroleum, coal, chemical and associated product mfg 25 | Non- metallic mineral product mfg 26 | Metal product mfg 27 | Machinery and equipment mfg 28 | Other manufacturing 29 | | |
| ASSETS— | | | | | | | | | | | |
| Current assets— | | | | | | | | | | | |
| Closing stocks | 4,463.5 | 1,392.2 | 1,268.8 | 667.4 | 3,982.6 | 3,982.4 | 4,900.3 | 523.9 | | 22,210.6 | |
| Other current assets | 7,001.2 | 2,203.0 | 1,856.7 | 2,824.5 | 6,649.8 | 6,622.0 | 7,455.4 | 913.9 | | 37,660.3 | |
| Non-current assets | 15,817.2 | 1,911.7 | 5,901.9 | 12,892.3 | 11,071.4 | 16,737.1 | 9,420.7 | 926.5 | | 80,878.2 | |
| Total value of assets | 27,281.9 | 5,507.0 | 9,027.3 | 16,384.1 | 21,703.7 | 27,341.4 | 21,776.4 | 2,364.2 | | 140,749.1 | |
| LIABILITIES— | | | | | | | | | | | |
| Current liabilities | 10,409.9 | 2,500.0 | 2,423.4 | 3,982.0 | 9,160.4 | 7,935.8 | 9,780.8 | 1,091.0 | | 50,475.5 | |
| Non-current liabilities | 6,271.3 | 1,065.6 | 2,323.4 | 3,861.5 | 4,226.3 | 6,477.8 | 3,211.2 | 472.1 | | 29,517.7 | |
| Total value of liabilities | 16,681.1 | 3,565.6 | 4,746.8 | 7,843.4 | 13,386.7 | 14,413.6 | 12,992.0 | 1,563.2 | | 79,993.3 | |
| NET WORTH | 10,600.8 | 1,941.4 | 4,280.5 | 8,540.7 | 8,317.1 | 12,927.8 | 8,784.4 | 801.0 | | 60,755.8 | |

(a) See paragraph 8 of the Explanatory Notes.

TABLE 20. MANUFACTURING MANAGEMENT UNITS (a): INDUSTRY PERFORMANCE RATIOS BY INDUSTRY SUBDIVISION, AUSTRALIA, 1992-93

| Items | Unit value | ANZSIC subdivision description and code | | | | | | | | | | Total manufacturing 21-29 |
|---|------------|---|--|-------------------------------|--|---|-------------------------------------|----------------------|--------------------------------|------------------------|-------|---------------------------|
| | | Food, beverage and tobacco mfg 21 | Textile, clothing, footwear and leather mfg 22 | Wood and paper product mfg 23 | Printing, publishing and recorded media 24 | Petroleum, coal, chemical and associated product mfg 25 | Non-metallic mineral product mfg 26 | Metal product mfg 27 | Machinery and equipment mfg 28 | Other manufacturing 29 | | |
| Turnover ratios— | | | | | | | | | | | | |
| Stocks turnover | times | 8.4 | 6.1 | 7.7 | 16.8 | 7.1 | 8.6 | 6.9 | 6.7 | 8.8 | 7.6 | |
| Assets turnover | times | 1.4 | 1.6 | 1.1 | 0.7 | 1.3 | 0.9 | 1.0 | 1.5 | 2.0 | 1.2 | |
| Profitability ratios— | | | | | | | | | | | | |
| Operating profit margin | per cent | 7.9 | 5.7 | 7.8 | 10.4 | 6.5 | 9.9 | 4.7 | 5.5 | 5.6 | 6.8 | |
| Return on assets | per cent | 10.9 | 8.8 | 8.4 | 7.1 | 8.5 | 9.4 | 4.8 | 8.3 | 11.0 | 8.1 | |
| Return on net worth | per cent | 28.0 | 24.9 | 17.7 | 13.7 | 22.3 | 19.2 | 10.1 | 20.5 | 32.6 | 18.9 | |
| Liquidity ratios— | | | | | | | | | | | | |
| Liquidity ratio | times | 0.7 | 0.9 | 0.8 | 0.7 | 0.7 | 0.7 | 0.8 | 0.8 | 0.8 | 0.7 | |
| Current ratio | times | 1.1 | 1.4 | 1.3 | 0.9 | 1.2 | 1.0 | 1.3 | 1.3 | 1.3 | 1.2 | |
| Debt ratios— | | | | | | | | | | | | |
| Interest coverage | times | 5.5 | 4.2 | 4.4 | 4.4 | 6.1 | 4.7 | 5.2 | 5.1 | 4.3 | 5.1 | |
| Debt to assets | per cent | 61.1 | 64.7 | 52.6 | 47.9 | 61.7 | 51.3 | 52.7 | 59.7 | 66.1 | 56.8 | |
| Short-term debt to equity | per cent | 98.2 | 128.8 | 56.6 | 46.6 | 110.1 | 70.0 | 61.4 | 111.3 | 136.2 | 83.1 | |
| Long-term debt to equity | per cent | 59.2 | 54.9 | 54.3 | 45.2 | 50.8 | 35.3 | 50.1 | 36.6 | 58.9 | 48.6 | |
| Labour ratios— | | | | | | | | | | | | |
| Operating profit before tax per person employed | \$'000 | 16.9 | 6.4 | 12.7 | 13.8 | 18.8 | 20.5 | 8.9 | 9.3 | 5.5 | 12.4 | |
| Selected labour costs per person employed | \$'000 | 32.4 | 26.4 | 34.0 | 34.1 | 39.7 | 37.6 | 36.0 | 34.8 | 25.0 | 33.9 | |
| Total assets per person employed | \$'000 | 155.5 | 73.0 | 150.8 | 193.6 | 220.5 | 218.1 | 187.8 | 113.0 | 50.2 | 152.6 | |
| Capital expenditure ratios— | | | | | | | | | | | | |
| Net capital expenditure to assets | per cent | 6.1 | 3.6 | 6.6 | 3.6 | 7.3 | 5.1 | 4.2 | 4.4 | 2.7 | 5.2 | |
| Net capital expenditure to profits | per cent | 56.2 | 41.2 | 78.3 | 50.5 | 85.9 | 54.4 | 89.2 | 53.2 | 24.0 | 63.7 | |

(a) See paragraph 8 of the Explanatory Notes.

TABLE 21. MANUFACTURING MANAGEMENT UNITS (a): SOURCE OF FUNDS FOR CAPITAL EXPENDITURE (b) BY INDUSTRY SUBDIVISION, AUSTRALIA, 1992-93

| Industry subdivision | ANZSIC code | Description | Proportion of management units | | | | | | | | | | |
|----------------------|-------------|--|---|--------------------------|-----------------|-------------------------------|---------------|--------------------|----------------------|-----------------------|--|---------------|--------------|
| | | | Local banks and lending authorities (%) | Debentures and notes (%) | Share float (%) | Borrowing from parent company | | Sale of assets (%) | Retained profits (%) | Government grants (%) | Private loans (including share-holders' loans) (%) | Other | |
| | | | | | | | Australia (%) | Overseas (%) | | | | Australia (%) | Overseas (%) |
| 21 | | Food, beverage and tobacco mfg | 32.0 | 0.2 | 1.6 | 3.9 | 0.5 | 0.5 | 4.2 | 24.2 | 0.5 | 7.0 | 0.2 |
| 22 | | Textile, clothing, footwear and leather mfg | 23.5 | — | 0.1 | 1.4 | 0.3 | 0.3 | 3.1 | 14.2 | 0.8 | 7.0 | 0.2 |
| 23 | | Wood and paper product mfg | 30.6 | — | 0.1 | 1.7 | 0.1 | 0.1 | 4.4 | 16.4 | 0.3 | 7.3 | 0.8 |
| 24 | | Printing, publishing and recorded media | 33.3 | 0.1 | — | 1.8 | — | — | 5.7 | 22.6 | 0.3 | 8.6 | 0.6 |
| 25 | | Petroleum, coal, chemical and associated product mfg | 32.6 | 0.5 | 0.7 | 4.9 | 1.8 | 1.8 | 4.5 | 25.2 | 0.7 | 9.3 | 0.1 |
| 26 | | Non-metallic mineral product mfg | 32.1 | 0.3 | 1.6 | 5.1 | 0.5 | 0.5 | 4.2 | 20.1 | 0.3 | 7.7 | 1.0 |
| 27 | | Metal product mfg | 30.0 | 0.4 | 0.4 | 1.9 | 0.5 | 0.5 | 3.8 | 20.3 | 0.5 | 7.7 | 0.8 |
| 28 | | Machinery and equipment mfg | 28.2 | 0.2 | 0.2 | 2.4 | 0.7 | 0.7 | 3.5 | 20.1 | 1.0 | 8.0 | 0.1 |
| 29 | | Other manufacturing | 27.2 | 0.2 | — | 0.7 | 0.1 | 0.1 | 2.6 | 13.3 | 0.4 | 9.0 | 0.4 |
| 21-29 | | Total manufacturing | 29.5 | 0.2 | 0.4 | 2.2 | 0.5 | 0.5 | 3.9 | 19.2 | 0.6 | 8.0 | 0.7 |

(a) See paragraph 8 of the Explanatory Notes. (b) See paragraph 31 of the Explanatory Notes.

TABLE 22. RELATIVE STANDARD ERRORS (a) FOR SELECTED DATA ITEMS BY INDUSTRY SUBDIVISION, AUSTRALIA, 1992-93 (%)

| Industry subdivision | | Establishment data items | | | | | | | | | |
|----------------------|--|-------------------------------|------------------------|------------|------------|-------------|--------------------------|---|----------------------|---------------------|--|
| ANZSIC code | Description | Employment at end of June (b) | Wages and salaries (c) | Turnover | Purchases | Value added | Own account capital work | Acquisition of plant, machinery and equipment | Total sales of goods | Fringe benefits tax | |
| 21 | Food, beverage and tobacco mfg | 0.6 | 0.3 | 0.4 | 0.5 | 0.3 | 1.3 | 0.8 | 0.4 | 1.5 | |
| 22 | Textile, clothing, footwear and leather mfg | 0.8 | 0.9 | 1.0 | 1.2 | 0.9 | 12.2 | 2.5 | 1.1 | 1.8 | |
| 23 | Wood and paper product mfg | 0.8 | 0.7 | 0.6 | 0.7 | 0.6 | 5.3 | 0.8 | 0.6 | 2.0 | |
| 24 | Printing, publishing and recorded media | 1.7 | 1.3 | 1.7 | 1.9 | 1.8 | 17.6 | 3.3 | 2.3 | 4.7 | |
| 25 | Petroleum, coal, chemical and associated product mfg | 0.6 | 0.5 | 0.5 | 0.5 | 0.8 | 0.5 | 0.6 | 0.5 | 0.6 | |
| 26 | Non-metallic mineral product mfg | 1.3 | 0.9 | 1.1 | 1.0 | 0.9 | 1.3 | 0.4 | 1.1 | 1.0 | |
| 27 | Metal product mfg | 1.2 | 1.0 | 0.7 | 0.7 | 1.1 | 0.3 | 0.7 | 0.8 | 1.7 | |
| 28 | Machinery and equipment mfg | 0.6 | 0.5 | 0.6 | 0.6 | 0.6 | 3.5 | 0.4 | 0.5 | 1.3 | |
| 29 | Other manufacturing | 1.7 | 1.6 | 1.8 | 2.4 | 2.0 | 24.5 | 4.9 | 2.0 | 4.9 | |
| 21-29 | Total manufacturing | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.8 | 0.3 | 0.3 | 0.7 | |

(a) See paragraphs 13 to 15 of the Explanatory Notes. (b) Includes working proprietors. (c) Excludes the drawings of working proprietors.

APPENDIX: MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATIONAL STATISTICS BY INDUSTRY CLASS, AUSTRALIA, 1989-90 TO 1991-92 (b)

| Industry class ANZSIC Code | Description | Employment at end of June (c) ('000) | | | Turnover (d) (\$m) | | | Value added (e) (\$m) |
|--|-----------------------------------|---|---------|---------|-----------------------|---------|---------|--------------------------|
| | | 1989-90 | 1990-91 | 1991-92 | 1989-90 | 1990-91 | 1991-92 | |
| FOOD, BEVERAGE AND TOBACCO MFG— | | | | | | | | |
| Meat and meat product mfg— | | | | | | | | |
| 2111 | Meat processing | 31.7 | 27.2 | 27.1 | 5,879.8 | 5,382.5 | 5,358.7 | 1,819.0 |
| 2112 | Poultry processing | 9.0 | 9.3 | 9.2 | 1,365.2 | 1,339.4 | 1,433.2 | 433.6 |
| 2113 | Bacon, ham and smallgoods mfg | 6.4 | 7.4 | 6.6 | 1,008.2 | 1,306.5 | 1,205.8 | 307.7 |
| 211 | Total | 47.0 | 43.9 | 42.9 | 8,253.3 | 8,028.4 | 7,997.7 | 2,560.4 |
| Dairy product mfg— | | | | | | | | |
| 2121 | Milk and cream processing | 6.8 | 6.6 | 6.5 | 1,987.9 | 2,130.1 | 2,418.9 | 542.2 |
| 2122 | Ice cream mfg | 2.0 | 1.9 | 1.8 | 379.5 | 417.3 | 540.2 | 179.9 |
| 2129 | Dairy product mfg n.e.c. | 6.6 | 7.7 | 7.3 | 2,053.6 | 2,053.8 | 2,072.3 | 593.6 |
| 212 | Total | 15.4 | 16.3 | 15.7 | 4,403.1 | 4,601.2 | 5,031.4 | 1,315.7 |
| 213 | Fruit and vegetable processing | 11.5 | 11.1 | 10.2 | 2,058.9 | 2,224.9 | 2,417.5 | 785.7 |
| 214 | Oil and fat mfg | 2.1 | 2.0 | 2.2 | 692.7 | 728.2 | 721.3 | 215.4 |
| Flour mill and cereal food mfg— | | | | | | | | |
| 2151 | Flour mill product mfg | 2.8 | 3.9 | 3.0 | 930.1 | 1,353.9 | 1,114.1 | 258.1 |
| 2152 | Cereal food and baking mix mfg | 5.1 | 5.7 | 5.6 | 1,189.4 | 1,238.4 | 1,455.6 | 516.7 |
| 215 | Total | 7.9 | 9.7 | 8.6 | 2,119.5 | 2,592.3 | 2,569.7 | 774.8 |
| Bakery product mfg— | | | | | | | | |
| 2161 | Bread mfg | 14.5 | 14.4 | 14.0 | 1,255.0 | 1,272.8 | 1,354.2 | 600.9 |
| 2162 | Cake and pastry mfg | 11.1 | 9.7 | 9.1 | 755.7 | 801.2 | 782.3 | 371.6 |
| 2163 | Biscuit mfg | 6.2 | 5.8 | 4.9 | 643.6 | 632.9 | 615.3 | 341.0 |
| 216 | Total | 31.8 | 29.9 | 28.1 | 2,654.3 | 2,706.8 | 2,751.7 | 1,313.4 |
| Other food mfg— | | | | | | | | |
| 2171 | Sugar mfg | 6.7 | 6.3 | 5.9 | 1,936.2 | 1,795.7 | 1,654.9 | 623.5 |
| 2172 | Confectionery mfg | 6.8 | 6.9 | 6.9 | 1,051.8 | 1,166.0 | 1,160.6 | 512.2 |
| 2173 | Seafood processing | 4.1 | 4.6 | 4.5 | 872.1 | 960.4 | 958.2 | 327.0 |
| 2174 | Prepared animal and bird feed mfg | 4.8 | 4.6 | 4.4 | 1,531.4 | 1,658.9 | 1,613.4 | 488.0 |
| 2179 | Food mfg n.e.c. | 10.3 | 10.1 | 9.9 | 1,678.1 | 1,810.0 | 1,802.6 | 801.5 |
| 217 | Total | 32.7 | 32.5 | 31.6 | 7,069.6 | 7,390.9 | 7,189.7 | 2,752.1 |
| Beverage and malt mfg— | | | | | | | | |
| 2181 | Soft drink, cordial and syrup mfg | 5.7 | 6.3 | 6.3 | 1,603.0 | 2,088.5 | 1,893.2 | 574.1 |
| 2182 | Beer and malt mfg | 6.7 | 6.7 | 5.8 | 2,246.4 | 2,494.6 | 2,604.9 | 1,159.7 |
| 2183 | Wine mfg | 5.1 | 5.0 | 5.1 | 912.3 | 851.8 | 980.1 | 456.5 |
| 2184 | Spirit mfg | 0.3 | 0.3 | 0.2 | 77.8 | 68.0 | 68.5 | 31.2 |
| 218 | Total | 17.8 | 18.3 | 17.3 | 4,839.6 | 5,502.8 | 5,546.8 | 2,221.4 |

For footnotes see end of table.

APPENDIX: MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATIONAL STATISTICS BY INDUSTRY CLASS, AUSTRALIA, 1989-90 TO 1991-92 (b)—continued

| Industry class | Employment at end of June (c) | | | | Turnover (d) | | Value added (e) (\$m) |
|---|-------------------------------|--------------|--------------|-----------------|-----------------|------------------|--------------------------|
| | 1989-90 | 1990-91 | 1991-92 | 1989-90 | 1990-91 | 1991-92 | |
| ANZSIC Code | | | | | | | 1989-90 |
| Description | | | | | | | 1989-90 |
| 219 | 2.9 | 2.9 | 2.9 | 806.0 | 813.6 | 964.8 | 467.4 |
| 21 | 169.1 | 166.7 | 159.4 | 32,496.9 | 34,589.3 | 435,190.6 | 12,406.5 |
| TEXTILE, CLOTHING, FOOTWEAR AND LEATHER MFG— | | | | | | | |
| Textile fibre, yarn and woven fabric mfg— | | | | | | | |
| 2211 | 1.3 | 1.7 | 1.7 | 370.7 | 356.7 | 396.4 | 73.3 |
| 2212 | 5.8 | 4.9 | 4.9 | 707.4 | 690.9 | 682.4 | 322.3 |
| 2213 | 3.4 | 3.1 | 2.4 | 345.6 | 360.1 | 344.5 | 162.3 |
| 2214 | 3.9 | 3.5 | 3.3 | 399.9 | 360.4 | 355.9 | 148.6 |
| 2215 | 2.3 | 1.6 | 1.8 | 269.0 | 179.4 | 264.2 | 121.8 |
| 221 | 16.7 | 14.8 | 14.1 | 2,092.7 | 1,947.4 | 2,043.5 | 828.5 |
| Textile product mfg— | | | | | | | |
| 2221 | 5.3 | 6.3 | 5.4 | 458.0 | 649.8 | 553.6 | 192.2 |
| 2222 | 4.7 | 4.3 | 3.9 | 806.1 | 793.0 | 746.6 | 295.2 |
| 2223 | 0.5 | 0.6 | 0.5 | 54.3 | 70.5 | 68.7 | 28.4 |
| 2229 | 2.5 | 2.6 | 1.8 | 430.4 | 503.2 | 326.8 | 209.4 |
| 222 | 13.0 | 13.7 | 11.6 | 1,748.8 | 2,076.5 | 1,693.8 | 725.2 |
| Knitting mills— | | | | | | | |
| 2231 | 3.2 | 3.0 | 2.7 | 254.6 | 263.2 | 272.3 | 144.7 |
| 2232 | 3.2 | 2.2 | 1.8 | 237.8 | 180.9 | 148.2 | 105.1 |
| 2239 | 5.6 | 3.3 | 3.1 | 623.4 | 485.3 | 493.0 | 271.7 |
| 223 | 12.0 | 8.6 | 7.5 | 1,115.8 | 929.4 | 913.5 | 521.5 |
| Clothing mfg— | | | | | | | |
| 2241 | 18.4 | 14.1 | 10.8 | 1,259.4 | 1,055.5 | 878.2 | 655.8 |
| 2242 | 13.9 | 12.1 | 10.4 | 1,274.3 | 1,299.5 | 1,239.2 | 522.9 |
| 2243 | 3.3 | 5.4 | 5.9 | 255.9 | 428.4 | 530.9 | 149.3 |
| 2249 | 10.5 | 8.5 | 8.5 | 640.2 | 703.5 | 753.5 | 280.2 |
| 224 | 46.0 | 40.1 | 35.6 | 3,429.8 | 3,486.8 | 3,401.8 | 1,608.1 |
| 225 | 9.6 | 7.7 | 7.1 | 710.7 | 678.9 | 603.4 | 359.4 |
| Leather and leather product mfg— | | | | | | | |
| 2261 | 2.0 | 2.1 | 2.4 | 473.8 | 468.7 | 459.1 | 95.7 |
| 2262 | 0.8 | 0.9 | 0.8 | 57.8 | 65.5 | 62.2 | 28.3 |
| 226 | 2.9 | 3.0 | 3.2 | 531.6 | 534.2 | 521.3 | 124.0 |
| 22 | 100.1 | 87.9 | 79.2 | 9,629.4 | 9,593.2 | 8,179.2 | 4,166.6 |

For footnotes see end of table.

APPENDIX: MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATIONAL STATISTICS BY INDUSTRY CLASS, AUSTRALIA, 1989-90 TO 1991-92 (b)—continued

| Industry class ANZSIC Code | Description | Employment at end of June (c) ('000) | | | Turnover (d) (\$m) | | | Value added (e) (\$m) | |
|---|---|---|---------|---------|-----------------------|----------|----------|--------------------------|---------|
| | | 1989-90 | 1990-91 | 1991-92 | 1989-90 | 1990-91 | 1991-92 | 1989-90 | 1991-92 |
| WOOD AND PAPER PRODUCT MFG— | | | | | | | | | |
| Log sawmilling and timber dressing— | | | | | | | | | |
| 2311 | Log sawmilling | 10.5 | 9.9 | 9.8 | 1,008.8 | 958.3 | 1,008.3 | 609.4 | |
| 2312 | Wood chipping | 1.0 | 0.8 | 0.6 | 369.5 | 344.5 | 343.2 | 138.8 | |
| 2313 | Timber resawing and dressing | 4.7 | 4.1 | 3.8 | 554.3 | 550.3 | 533.3 | 246.8 | |
| 231 | Total | 16.2 | 14.8 | 14.3 | 1,932.6 | 1,853.0 | 1,884.8 | 995.0 | |
| Other wood product mfg— | | | | | | | | | |
| 2321 | Plywood and veneer mfg | 1.7 | 1.6 | 1.3 | 245.3 | 237.0 | 181.1 | 91.4 | |
| 2322 | Fabricated wood mfg | 3.9 | 2.9 | 3.1 | 672.3 | 554.5 | 585.1 | 215.4 | |
| 2323 | Wooden structural component mfg | 17.6 | 17.5 | 16.2 | 1,637.9 | 1,747.6 | 1,680.3 | 680.9 | |
| 2329 | Wood product mfg n.e.c. | 6.5 | 4.4 | 4.8 | 530.5 | 370.8 | 402.5 | 242.5 | |
| 232 | Total | 29.6 | 26.5 | 25.5 | 3,086.1 | 2,909.9 | 2,849.0 | 1,230.3 | |
| Paper and paper product mfg— | | | | | | | | | |
| 2331 | Pulp, paper and paperboard mfg | 7.6 | 6.5 | 6.5 | 2,073.1 | 1,979.6 | 1,903.8 | 863.6 | |
| 2332 | Solid paperboard container mfg | 1.8 | 1.5 | 1.8 | 247.3 | 235.6 | 272.9 | 123.1 | |
| 2333 | Corrugated paperboard container mfg | 5.0 | 5.2 | 5.2 | 1,005.3 | 1,173.0 | 1,204.8 | 348.8 | |
| 2334 | Paper bag and sack mfg | 1.4 | 1.3 | 1.3 | 247.4 | 307.1 | 289.9 | 97.1 | |
| 2339 | Paper product mfg n.e.c. | 4.3 | 4.3 | 3.9 | 734.3 | 834.5 | 843.6 | 292.3 | |
| 233 | Total | 20.1 | 19.0 | 18.8 | 4,307.3 | 4,529.8 | 4,514.9 | 1,724.8 | |
| 23 | Total wood and paper product mfg | 65.9 | 60.3 | 58.6 | 9,325.9 | 9,292.7 | 9,248.7 | 3,950.2 | |
| PRINTING, PUBLISHING AND RECORDED MEDIA— | | | | | | | | | |
| Printing and services to printing— | | | | | | | | | |
| 2411 | Paper stationery mfg | 9.3 | 8.7 | 8.1 | 1,019.6 | 1,142.0 | 1,103.7 | 485.9 | |
| 2412 | Printing | 33.6 | 29.6 | 29.4 | 3,392.2 | 3,304.4 | 3,366.8 | 1,622.1 | |
| 2413 | Services to printing | 6.8 | 6.9 | 6.8 | 532.4 | 612.4 | 599.1 | 331.5 | |
| 241 | Total | 49.7 | 45.2 | 44.3 | 4,944.3 | 5,058.8 | 5,069.5 | 2,439.5 | |
| Publishing— | | | | | | | | | |
| 2421 | Newspaper printing or publishing | 31.1 | 30.1 | 28.2 | 3,454.3 | 3,452.9 | 3,227.0 | 2,202.9 | |
| 2422 | Other periodical publishing | 2.8 | 4.6 | 4.3 | 633.1 | 661.6 | 808.2 | 388.8 | |
| 2423 | Book and other publishing | 5.1 | 5.4 | 5.6 | 759.5 | 841.2 | 1,035.8 | 679.8 | |
| 242 | Total | 38.9 | 40.1 | 38.1 | 4,846.9 | 4,955.7 | 5,071.1 | 3,271.5 | |
| 243 | Recorded media manufacturing and publishing | 1.0 | 0.8 | 0.6 | 331.6 | 397.7 | 285.4 | 211.7 | |
| 24 | Total printing, publishing and recorded media | 89.6 | 86.1 | 83.1 | 10,122.8 | 10,413.2 | 10,426.0 | 5,922.8 | |

For footnotes see end of table.

APPENDIX: MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATIONAL STATISTICS BY INDUSTRY CLASS, AUSTRALIA, 1989-90 TO 1991-92 (b) — continued

| Industry class ANZSIC Code | Description | Employment at end of June (c) ('000) | | | Turnover (d) (\$m) | | | Value added (e) (\$m) |
|--|--|---|---------|---------|-----------------------|----------|----------|--------------------------|
| | | 1989-90 | 1990-91 | 1991-92 | 1989-90 | 1990-91 | 1991-92 | |
| PETROLEUM, COAL, CHEMICAL AND ASSOCIATED PRODUCT MFG— | | | | | | | | |
| 251 | Petroleum refining | 4.5 | 4.3 | 4.2 | 7,575.5 | 8,159.0 | 8,589.4 | 1,938.7 |
| 252 | Petroleum and coal product mfg n.e.c. | 0.4 | 0.4 | 0.5 | 131.4 | 173.3 | 134.8 | 44.8 |
| Basic chemical mfg— | | | | | | | | |
| 2531 | Fertiliser mfg | 2.8 | 3.2 | 2.6 | 1,011.1 | 1,123.7 | 932.2 | 230.3 |
| 2532 | Industrial gas mfg | 1.2 | 1.3 | 1.3 | 331.4 | 384.3 | 393.5 | 200.2 |
| 2533 | Synthetic resin mfg | 4.7 | 4.6 | 4.4 | 1,871.8 | 1,748.9 | 1,609.0 | 610.5 |
| 2534 | Organic industrial chemical mfg n.e.c. | 2.8 | 2.0 | 1.9 | 960.5 | 1,033.8 | 942.3 | 321.9 |
| 2535 | Inorganic industrial chemical mfg n.e.c. | 4.2 | 4.1 | 4.1 | 1,175.5 | 1,293.9 | 1,309.4 | 523.0 |
| 2533 | Total | 15.7 | 15.3 | 14.4 | 5,350.2 | 5,584.5 | 5,186.4 | 1,886.0 |
| Other chemical product mfg— | | | | | | | | |
| 2541 | Explosive mfg | 2.8 | 1.4 | 1.8 | 540.8 | 471.9 | 499.1 | 262.5 |
| 2542 | Paint mfg | 6.2 | 5.9 | 6.1 | 1,343.3 | 1,517.8 | 1,480.2 | 581.3 |
| 2543 | Medicinal and pharmaceutical product mfg | 9.4 | 10.3 | 11.5 | 1,846.2 | 2,148.2 | 2,738.0 | 879.5 |
| 2544 | Pesticide mfg | 1.0 | 1.3 | 1.1 | 557.6 | 566.2 | 564.8 | 249.9 |
| 2545 | Soap and other detergent mfg | 4.3 | 3.9 | 3.5 | 1,052.5 | 1,134.9 | 1,036.4 | 490.4 |
| 2546 | Cosmetic and toiletry preparation mfg | 3.4 | 3.7 | 3.4 | 641.1 | 715.6 | 769.9 | 369.0 |
| 2547 | Ink mfg | 1.2 | 1.2 | 1.2 | 270.7 | 290.9 | 216.4 | 103.8 |
| 2549 | Chemical product mfg n.e.c. | 3.2 | 3.0 | 2.8 | 676.1 | 700.9 | 680.8 | 287.1 |
| 254 | Total | 31.5 | 30.6 | 31.4 | 6,878.3 | 7,546.5 | 7,985.7 | 3,223.4 |
| Rubber product mfg— | | | | | | | | |
| 2551 | Rubber tyre mfg | 5.4 | 4.9 | 5.4 | 846.3 | 848.2 | 879.5 | 456.4 |
| 2559 | Rubber product mfg n.e.c. | 4.4 | 3.9 | 2.5 | 498.0 | 413.1 | 329.4 | 251.7 |
| 255 | Total | 9.9 | 8.8 | 7.9 | 1,344.4 | 1,261.4 | 1,208.8 | 708.1 |
| Plastic product mfg— | | | | | | | | |
| 2561 | Plastic blow moulded product mfg | 3.6 | 3.3 | 3.4 | 586.9 | 510.2 | 607.4 | 263.5 |
| 2562 | Plastic extruded product mfg | 5.1 | 4.5 | 5.3 | 874.8 | 877.2 | 1,030.6 | 359.2 |
| 2563 | Plastic bag and film mfg | 6.3 | 7.2 | 6.4 | 1,112.7 | 1,425.4 | 1,220.8 | 485.8 |
| 2564 | Plastic product, rigid fibre reinforced, mfg | 1.5 | 1.8 | 1.3 | 257.2 | 301.7 | 174.5 | 128.6 |
| 2565 | Plastic foam product mfg | 1.5 | 1.4 | 1.4 | 232.8 | 223.5 | 266.5 | 80.7 |
| 2566 | Plastic injection moulded product mfg | 14.9 | 14.8 | 13.0 | 1,695.7 | 1,914.4 | 1,579.8 | 773.1 |
| 256 | Total | 32.9 | 32.9 | 30.9 | 4,760.2 | 5,252.4 | 4,879.6 | 2,090.9 |
| 25 | Total petroleum, coal, chemical and associated product mfg | 94.9 | 92.4 | 89.4 | 26,040.0 | 27,977.1 | 27,984.6 | 9,891.8 |

For footnotes see end of table.

APPENDIX: MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATIONAL STATISTICS BY INDUSTRY CLASS, AUSTRALIA, 1989-90 TO 1991-92 (b)—continued

| Industry class ANZSIC Code | Description | Employment at end of June (c) ('000) | | | Turnover (d) (\$m) | | | Value added (e) (\$m) | |
|----------------------------------|--|---|---------|---------|-----------------------|----------|---------|--------------------------|---------|
| | | 1989-90 | 1990-91 | 1991-92 | 1989-90 | 1990-91 | 1991-92 | 1989-90 | 1991-92 |
| | NON-METALLIC MINERAL PRODUCT MFG— | | | | | | | | |
| 261 | Glass and glass product mfg | 6.6 | 6.0 | 5.9 | 1,123.1 | 1,030.0 | 994.5 | 682.6 | |
| | Ceramic mfg— | | | | | | | | |
| 2621 | Clay brick mfg | 5.7 | 5.1 | 4.7 | 780.2 | 680.4 | 685.0 | 512.4 | |
| 2622 | Ceramic product mfg | 1.3 | 1.0 | 1.0 | 180.5 | 181.4 | 176.3 | 85.8 | |
| 2623 | Ceramic tile and pipe mfg | 1.9 | 1.8 | 1.7 | 191.7 | 193.2 | 187.5 | 108.3 | |
| 2629 | Ceramic product mfg n.e.c. | 2.3 | 2.1 | 2.0 | 158.4 | 159.4 | 160.0 | 101.2 | |
| 262 | Total | 11.1 | 10.0 | 9.4 | 1,310.8 | 1,214.4 | 1,208.7 | 807.7 | |
| | Cement, lime, plaster and concrete product mfg— | | | | | | | | |
| 2631 | Cement and lime mfg | 3.1 | 3.1 | 2.6 | 918.7 | 833.3 | 828.4 | 419.6 | |
| 2632 | Plaster product mfg | 1.5 | 1.7 | 1.9 | 440.7 | 467.1 | 550.5 | 211.7 | |
| 2633 | Concrete slurry mfg | 4.4 | 4.6 | 4.5 | 1,858.9 | 1,659.0 | 1,575.7 | 361.0 | |
| 2634 | Concrete pipe and box culvert mfg | 1.9 | 1.4 | 1.4 | 259.7 | n.p. | n.p. | 138.2 | |
| 2635 | Concrete product mfg n.e.c. | 8.7 | 8.3 | 7.9 | 1,261.8 | n.p. | n.p. | 596.9 | |
| 263 | Total | 19.6 | 19.2 | 18.3 | 4,739.9 | 4,463.3 | 4,393.6 | 1,727.8 | |
| 264 | Non-metallic mineral product mfg n.e.c. | 5.3 | 4.8 | 4.7 | 763.8 | 857.3 | 917.8 | 393.3 | |
| 26 | Total non-metallic mineral product mfg | 42.6 | 40.0 | 38.3 | 7,937.6 | 7,564.9 | 7,514.7 | 3,611.4 | |
| | METAL PRODUCT MFG— | | | | | | | | |
| | Iron and steel mfg— | | | | | | | | |
| 2711 | Basic iron and steel mfg | 29.7 | 28.9 | 25.6 | 7,829.2 | 7,827.6 | 7,872.1 | 2,411.0 | |
| 2712 | Iron and steel casting and forging | 8.3 | 7.5 | 7.0 | 988.4 | 865.5 | 880.0 | 486.6 | |
| 2713 | Steel pipe and tube mfg | 2.7 | 2.8 | 2.8 | 617.0 | 684.4 | 673.5 | 215.8 | |
| 271 | Total | 40.7 | 39.2 | 35.4 | 9,434.5 | 9,377.5 | 9,425.6 | 3,113.4 | |
| | Basic non-ferrous metal mfg— | | | | | | | | |
| 2721 | Alumina production | 5.9 | 6.0 | 6.3 | 2,797.9 | 2,986.1 | 2,658.7 | 1,692.7 | |
| 2722 | Aluminium smelting | 5.8 | 6.0 | 5.3 | 2,636.7 | 2,812.6 | 2,549.1 | 1,325.3 | |
| 2723 | Copper, silver, lead and zinc smelting, refining | 5.0 | 5.0 | 4.6 | 2,873.8 | 2,764.1 | 2,477.8 | 841.8 | |
| 2729 | Basic non-ferrous metal mfg n.e.c. | 2.8 | 2.8 | 2.7 | 1,531.1 | 1,497.7 | 1,362.1 | 338.4 | |
| 272 | Total | 19.4 | 19.8 | 19.0 | 9,839.4 | 10,060.5 | 9,047.6 | 4,198.2 | |
| | Non-ferrous basic metal product mfg— | | | | | | | | |
| 2731 | Aluminium rolling, drawing, extruding | 4.3 | 4.1 | 3.7 | 1,325.4 | 1,235.3 | 1,189.8 | 343.0 | |
| 2732 | Non-ferrous metal rolling, drawing, extruding n.e.c. | 2.7 | 1.9 | 1.7 | 771.0 | 560.7 | 497.3 | 236.0 | |
| 2733 | Non-ferrous metal casting | 2.0 | 1.9 | 2.1 | 191.4 | 194.6 | 230.4 | 79.6 | |
| 273 | Total | 9.0 | 7.9 | 7.6 | 2,287.8 | 1,990.6 | 1,917.5 | 658.6 | |

For footnotes see end of table.

APPENDIX: MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATIONAL STATISTICS BY INDUSTRY CLASS, AUSTRALIA, 1989-90 TO 1991-92 (b)—continued

| Industry class ANZSIC Code | Description | Employment at end of June (c) ('000) | | | Turnover (d) (\$m) | | | Value added (e) (\$m) | |
|-------------------------------|--|--|---------|---------|-----------------------|----------|----------|--------------------------|--|
| | | 1989-90 | 1990-91 | 1991-92 | 1989-90 | 1991-92 | 1989-90 | 1989-90 | |
| 2741 | Structural metal product mfg— Structural steel fabricating | 17.3 | 16.8 | 13.7 | 2,730.3 | 2,651.7 | 2,149.1 | 1,001.1 | |
| 2742 | Architectural aluminium product mfg | 13.6 | 12.4 | 11.5 | 1,641.7 | 1,508.0 | 1,410.1 | 529.3 | |
| 2749 | Structural metal product mfg n.e.c. | 5.5 | 4.5 | 4.0 | 617.3 | 583.9 | 496.6 | 258.2 | |
| 274 | Total | 36.4 | 33.7 | 29.1 | 4,989.3 | 4,743.6 | 4,055.8 | 1,788.6 | |
| 2751 | Sheet metal product mfg— Metal container mfg | 4.3 | 5.4 | 5.0 | 950.9 | 1,287.8 | 1,277.3 | 381.0 | |
| 2759 | Sheet metal product mfg n.e.c. | 18.0 | 14.2 | 13.2 | 2,117.3 | 1,630.9 | 1,577.4 | 944.0 | |
| 275 | Total | 22.3 | 19.7 | 18.3 | 3,068.3 | 2,918.7 | 2,854.7 | 1,325.0 | |
| 2761 | Fabricated metal product mfg— Hand tool and general hardware mfg | 2.8 | 2.4 | 2.3 | 229.2 | 214.1 | 205.2 | 124.0 | |
| 2762 | Spring and wire product mfg | 5.9 | 5.5 | 5.7 | 655.8 | 744.1 | 857.1 | 328.6 | |
| 2763 | Nut, bolt, screw and rivet mfg | 3.2 | 2.9 | 2.4 | 379.1 | 391.0 | 341.4 | 172.5 | |
| 2764 | Metal coating and finishing | 5.9 | 5.2 | 5.0 | 509.1 | 477.0 | 468.5 | 269.8 | |
| 2765 | Non-ferrous pipe fitting mfg | 2.9 | 2.7 | 2.6 | 297.0 | 259.5 | 246.9 | 170.4 | |
| 2769 | Fabricated metal product mfg n.e.c. | 20.0 | 21.1 | 19.4 | 1,821.8 | 2,039.8 | 2,019.9 | 950.9 | |
| 276 | Total | 40.7 | 39.8 | 37.4 | 3,892.2 | 4,125.6 | 4,139.0 | 2,016.1 | |
| 27 | Total metal product mfg | 168.5 | 160.0 | 146.7 | 33,511.5 | 33,216.6 | 33,440.2 | 13,099.9 | |
| 2811 | MACHINERY AND EQUIPMENT MFG— Motor vehicle and part mfg— Motor vehicle mfg | 34.1 | 29.8 | 25.4 | 8,457.2 | 8,293.6 | 7,078.8 | 3,229.9 | |
| 2812 | Motor vehicle body mfg | 6.6 | 5.5 | 5.1 | 679.8 | 591.3 | 542.1 | 273.3 | |
| 2813 | Automotive electrical and instrument mfg | 7.9 | 6.7 | 4.6 | 878.3 | 796.7 | 681.0 | 410.2 | |
| 2819 | Automotive component mfg n.e.c. | 27.1 | 23.1 | 20.3 | 2,637.7 | 2,540.3 | 2,153.1 | 1,367.6 | |
| 281 | Total | 75.6 | 65.1 | 55.5 | 12,673.0 | 12,221.9 | 10,455.0 | 5,281.0 | |
| 2821 | Other transport equipment mfg— Shipbuilding | 7.2 | 6.4 | 5.6 | 1,935.4 | 1,420.4 | 1,468.8 | 885.0 | |
| 2822 | Boatbuilding | 3.8 | 2.9 | 2.9 | 310.9 | 229.8 | 257.9 | 143.0 | |
| 2823 | Railway equipment mfg | 4.8 | 1.9 | 2.1 | 532.2 | 364.2 | 392.7 | 266.5 | |
| 2824 | Aircraft mfg | 14.8 | 14.6 | 13.9 | 1,197.4 | 1,356.7 | 1,330.2 | 744.5 | |
| 2829 | Transport equipment mfg n.e.c. | 0.6 | 0.5 | 0.5 | 58.8 | 48.7 | 47.4 | 21.7 | |
| 282 | Total | 31.2 | 26.2 | 25.0 | 4,034.8 | 3,419.7 | 3,497.0 | 2,060.8 | |
| 2831 | Photographic and scientific equipment mfg— Photographic and optical good mfg | 2.9 | 3.1 | 3.1 | 376.8 | 390.6 | 444.8 | 144.2 | |
| 2832 | Medical and surgical equipment mfg | 6.1 | 4.6 | 3.8 | 421.5 | 351.6 | 285.2 | 211.2 | |
| 2839 | Professional and scientific equipment mfg n.e.c. | 5.5 | 4.9 | 5.2 | 599.0 | 500.7 | 687.8 | 335.1 | |
| 283 | Total | 14.4 | 12.6 | 12.1 | 1,397.3 | 1,242.8 | 1,417.9 | 690.6 | |

For footnotes see end of table.

APPENDIX: MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATIONAL STATISTICS BY INDUSTRY CLASS, AUSTRALIA, 1989-90 TO 1991-92 (b)—continued

| Industry class ANZSIC Code Description | Employment at end of June (c) ('000) | | | Turnover (d) (\$m) | | | Value added (e) (\$m) |
|--|---|---------|---------|-----------------------|----------|----------|--------------------------|
| | 1989-90 | 1990-91 | 1991-92 | 1989-90 | 1990-91 | 1991-92 | 1989-90 |
| Electronic equipment mfg— | | | | | | | |
| 2841 Computer and business machine mfg | 1.5 | 1.8 | 1.7 | 269.3 | 434.3 | 477.2 | 100.3 |
| 2842 Telecommunication, broadcasting and transceiving equipment mfg | 9.9 | 8.6 | 7.2 | 1,538.9 | 1,659.2 | 1,446.8 | 685.8 |
| 2849 Electronic equipment mfg n.e.c. | 12.0 | 7.8 | 7.6 | 1,264.6 | 1,005.2 | 1,034.8 | 674.7 |
| 284 Total | 23.3 | 18.1 | 16.4 | 3,072.7 | 3,098.7 | 2,958.9 | 1,460.8 |
| Electrical equipment and appliance mfg— | | | | | | | |
| 2851 Household appliance mfg | 14.0 | 13.4 | 12.5 | 1,804.2 | 1,871.4 | 1,872.7 | 833.9 |
| 2852 Electric cable and wire mfg | 3.7 | 4.5 | 3.7 | 823.9 | 937.0 | 955.5 | 300.1 |
| 2853 Battery mfg | 1.6 | 1.5 | 1.5 | 249.0 | 271.2 | 335.6 | 91.9 |
| 2854 Electric light and sign mfg | 4.7 | 3.4 | 3.1 | 466.9 | 367.3 | 332.4 | 207.9 |
| 2859 Electrical equipment mfg n.e.c. | 13.8 | 18.3 | 17.0 | 1,541.4 | 2,190.2 | 2,115.0 | 794.6 |
| 285 Total | 37.7 | 41.1 | 37.8 | 4,885.5 | 5,637.0 | 5,611.3 | 2,228.4 |
| Industrial machinery and equipment mfg— | | | | | | | |
| 2861 Agricultural machinery mfg | 6.9 | 5.8 | 5.5 | 752.0 | 661.9 | 566.6 | 366.8 |
| 2862 Mining and construction machinery mfg | 5.6 | 4.6 | 4.2 | 772.7 | 758.3 | 683.9 | 336.4 |
| 2863 Food processing machinery mfg | 2.4 | 2.2 | 2.0 | 308.8 | 262.2 | 249.6 | 138.8 |
| 2864 Machine tool and part mfg | 8.2 | 7.4 | 6.9 | 686.2 | 716.9 | 595.8 | 388.4 |
| 2865 Lifting and material handling equipment mfg | 10.3 | 9.0 | 7.8 | 1,300.0 | 1,142.0 | 1,048.3 | 558.8 |
| 2866 Pump and compressor mfg | 4.1 | 3.4 | 3.0 | 575.1 | 509.7 | 472.8 | 283.3 |
| 2867 Commercial space heating and cooling equipment mfg | 2.9 | 2.4 | 2.4 | 329.9 | 364.8 | 334.0 | 108.4 |
| 2869 Industrial machinery and equipment mfg n.e.c. | 14.2 | 14.6 | 14.6 | 1,438.2 | 1,627.0 | 1,689.7 | 718.0 |
| 286 Total | 54.6 | 49.3 | 46.2 | 6,162.9 | 6,042.9 | 5,640.7 | 2,899.1 |
| 28 Total machinery and equipment mfg | 236.9 | 212.4 | 193.0 | 32,226.3 | 31,663.1 | 29,580.8 | 14,620.6 |
| OTHER MANUFACTURING— | | | | | | | |
| Prefabricated building mfg— | | | | | | | |
| 2911 Prefabricated metal building mfg | 2.9 | 2.1 | 2.2 | 470.2 | 318.4 | 328.2 | 167.5 |
| 2919 Prefabricated building mfg n.e.c. | 1.2 | 0.7 | 0.5 | 189.1 | 96.6 | 63.2 | 83.6 |
| 291 Total | 4.1 | 2.8 | 2.7 | 659.3 | 415.0 | 391.4 | 251.1 |
| Furniture mfg— | | | | | | | |
| 2921 Wooden furniture and upholstered seat mfg | 30.1 | 27.9 | 25.1 | 2,375.1 | 2,348.0 | 2,148.8 | 1,050.9 |
| 2922 Sheet metal furniture mfg | 4.1 | 3.2 | 3.0 | 452.8 | 403.9 | 331.4 | 185.7 |
| 2923 Mattress mfg (except rubber) | 3.0 | 2.0 | 2.3 | 338.8 | 224.9 | 296.7 | 145.3 |
| 2929 Furniture mfg n.e.c. | 3.8 | 2.8 | 3.4 | 347.0 | 246.8 | 314.0 | 168.9 |
| 292 Total | 41.0 | 35.8 | 33.8 | 3,513.6 | 3,223.6 | 3,090.9 | 1,550.7 |

For footnotes see end of table.

APPENDIX: MANUFACTURING ESTABLISHMENTS (a); SELECTED OPERATIONAL STATISTICS BY INDUSTRY CLASS, AUSTRALIA, 1989-90 TO 1991-92 (b) - continued

| Industry class ANZSIC Code Description | Employment at end of June (c) ('000) | | | Turnover (d) (\$m) | | | Value added (e) (\$m) |
|---|---|---------|---------|-----------------------|------------|----------|--------------------------|
| | 1989-90 | 1990-91 | 1991-92 | 1989-90 | 1990-91 | 1991-92 | |
| Miscellaneous manufacturing-- | | | | | | | |
| 2941 Jewellery and silverware mfg | 2.7 | 2.7 | 2.5 | 333.3 | 305.6 | 150.0 | |
| 2942 Toy and sporting good mfg | 10.5 | 1.9 | 2.0 | 206.8 | 218.9 | 433.4 | |
| 2949 Manufacturing n.e.c. | 13.2 | 7.8 | 7.7 | 868.7 | 745.6 | 583.5 | |
| 294 Total | | 12.4 | 12.3 | 1,207.9 | 1,270.0 | | |
| 29 Total other manufacturing | 58.2 | 51.0 | r48.8 | 5,300.9 | r4,752.4 | 2,385.3 | |
| 21-29 TOTAL MANUFACTURING | 1,026.0 | 956.8 | r896.4 | 167,071.2 | r165,317.2 | 70,055.0 | |

(a) See paragraph 9 of the Explanatory Notes. (b) For comparability of data over the time periods shown, see paragraphs 16 and 17 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 management units and 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 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 management unit and establishment 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 management unit is one predominantly engaged in manufacturing activity, but the data collected for it cover all activities of the management unit (including in respect of non-manufacturing establishments). Conversely, there are some management units predominantly engaged in non-manufacturing activities which have establishments engaged in manufacturing activities and which are excluded.

9 Similarly, 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.

10 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.

11 Data contained in this publication relate to all manufacturing businesses which operated in Australia 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 and number of management units). 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

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

RELIABILITY OF ESTIMATES

13 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 by 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.

14 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 2% or less for Australian estimates, as can be seen from the relative standard errors for the indicative data items contained in Table 22 of this publication. Relative standard errors across all States and the Australian Capital Territory are generally 4% or less, whilst the relative standard errors for the Northern Territory estimates tend to be a little higher. Detailed relative standard errors can be made available on request.

15 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

16 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.

GROSS PRODUCT AT FACTOR
COST

17 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. However, from the 1992-93 collection, some of these railway workshop locations have once again been made separate manufacturing establishments (primary to ANZSIC class 2823).

18 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 8 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.

19 Table 3 presents annual constant price estimates of gross product at factor cost for the years 1989-90, 1990-91, 1991-92 and 1992-93. 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).

20 In association with the change of the base year for the data in Table 3 to 1989-90 (introduced with the 1991-92 issue of this publication), the methodology used to derive these estimates also changed. This came about because only turnover data are now available from the manufacturing collection on an annual basis. The basic approach in compiling these data involves extrapolating a base year estimate of gross product (described below) by a measure of output at constant prices. Constant price turnover is now 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).

21 The base year gross product for each ANZSIC class is estimated 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 eg 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, therefore, not taken into account in this publication. 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

22 Summary of operations data at the industry subdivision level classified by employment size are presented in Table 8. Similarly, exports of goods produced data at the industry subdivision level classified by broad employment size are presented in Table 11. 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 from the manufacturing collection. These other tables include data for those manufacturing establishments which operated at any time during 1992-93.

CONCENTRATION STATISTICS

23 Industry concentration statistics at the industry subdivision level are presented in Table 9. This information relates to manufacturing establishments which operated at any time during the year ended 30 June 1993.

24 Industry concentration statistics are concerned with providing measures of the extent to which a few enterprise groups predominate in individual industries. They are a useful aid in assessing the degree of competition existing among enterprise groups engaged in an industry.

25 These statistics provide measures of concentration in industries as a whole and, therefore, are not measures of concentration in the market for commodities or activities.

CALCULATION OF CONCENTRATION RATIOS

26 The following steps outline the method used to calculate concentration ratios for each industry.

- Enterprise group/industry units were formed by combining establishments within the enterprise group with the same industry classification.
- Because some enterprise groups own or control establishments in a number of industry classes, the composition of their enterprise group/industry units might differ for different levels of the industry classification. Concentration ratios are presented in this publication only for manufacturing subdivisions. What this means, for example, is that where data are presented for ANZSIC subdivision 21 (Food, beverage and tobacco manufacturing), the enterprise group/industry units for subdivision 21 include all the establishments owned and/or controlled by the enterprise group and classified to any ANZSIC class within subdivision 21.
- Enterprise group/industry units were then ranked in descending order according to the size of the contribution of their establishments to the total turnover of the industry concerned.
- For the purpose of compiling Table 9, the ranked enterprise groups were brought together into a number of cumulative categories.

Note Where an enterprise group ceased operation prior to 30 June, the enterprise group has not been counted in the items 'Enterprise groups at 30 June', 'Establishments at 30 June' and 'Employment at end of June', but its activities have been included, where appropriate, in the items 'Wages and salaries', 'Turnover' and 'Value added'.

| | |
|----------------------------|---|
| | 27 Categories of four enterprise groups were chosen to conform with international practice and will, therefore, facilitate comparison of concentration patterns in Australian industries with those in other countries. |
| ENVIRONMENTAL STATISTICS | 28 Data contained in Table 10 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 | 29 Data relating to the amount of sales and/or transfers out of goods produced which were subsequently exported are presented in Tables 11 and 12. 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 11 are derived by applying the percentage of exports reported for each exporting unit and then aggregating that figure. The data in Table 11 exclude those manufacturing establishments which operated during 1992-93 but were not operating at 30 June 1993. |
| MANAGEMENT UNIT STATISTICS | 30 Data are presented in Tables 17 to 21 (inclusive) in respect of manufacturing management units. This is the first time that such data have been released in this publication. The data mainly relate to detailed structural and performance data. They complement and expand on the data in respect of the Economic Activity Survey publication <i>Business Operations and Industry Performance, Australia</i> (8140.0). |
| SOURCE OF FUNDS | 31 Table 21 presents data relating to the source of funds for capital expenditure. Each management unit selected in the manufacturing survey was asked the source(s) from which they acquired funds for subsequent capital expenditure. It should be noted that some management units would have (correctly) reported data in more than one category. The percentages reported in Table 21 are based on a frequency count only. |
| INTRODUCTION OF ANZSIC | 32 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 14 in the 1991-92 issue of this publication and to the <i>Australian and New Zealand Standard Industrial Classification, 1993</i> (1292.0). All time series statistics contained in this publication are ANZSIC-based. The Appendix to 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 | 33 The <i>Information Paper: Availability of Statistics Related to Manufacturing, 1996</i> (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 | 34 A series of publications (8221.1 to 8221.7) will be produced for each State and the Northern Territory, which will contain a range of data items generally at the industry class level. 35 Users may also wish to refer to the following publications: <ul style="list-style-type: none"> ▪ <i>Cost of Environment Protection, Australia, 1991-92 and 1992-93</i> (4603.0), to be released later in 1996. |

- *Australian National Accounts: National Income, Expenditure and Product, 1993-94* (5204.0), released on 4 August 1995.
- *Private New Capital Expenditure and Expected Expenditure, Australia* (5625.0).
- *Stocks, Selected Industry Sales and Expected Sales, Australia* (5629.0).
- *Company Profits, Australia* (5651.0).
- *The Labour Force, Australia* (6203.0).
- *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.
- *Information Paper: Availability of Statistics Related to Manufacturing, 1996* (8205.0).
- *Manufacturing Production, Australia: Principal Commodities Produced, 1989-90* (8365.0), released on 4 February 1994.

MONTHLY COMMODITY DATA

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

BACK DATA AND UNPUBLISHED STATISTICS

37 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.

38 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. These data can be purchased from the ABS in Canberra by contacting Paul Curran on (06) 252 6801.

ROUNDING

39 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 |
| Assets turnover | Sales plus income from services divided by the total value of assets. |
| 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). |

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| 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. |
| Cost of sales | The value of purchases and selected expenses, plus opening stocks minus closing stocks. |
| Current assets | The book value of current assets as at the end of the financial year. This includes cash on hand, stocks, trade debtors and other accounts receivable. |
| 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. |

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| Current liabilities | The book value of current liabilities as at the end of the financial year. This includes provisions for taxation, leave, claims, trade creditors and other accounts payable, and bank overdrafts. |
| Current ratio | The number of times current assets exceed current liabilities, ie current assets/current liabilities. This liquidity measure indicates the ability to meet immediate financial obligations from current assets. |
| Debt to assets ratio | This is the ratio of the total value of liabilities to the total value of assets expressed as a percentage. |
| Depreciation | The value of the sum of depreciation allowed in the financial year on buildings and other fixed tangible assets. |
| Disposal of dwellings, other buildings and structures | Includes all revenue received from the sale of dwellings, other buildings and structures. Note that this includes the sale of roads, factories, warehouses, offices, bridges, etc. |
| Disposal of other (including land and intangible assets) | Includes all revenue received from the sale of other assets (including land and intangible assets). This includes the sale of patents, copyrights and licences, but excludes revenue received for goodwill. |
| Disposal of plant, machinery and equipment | Includes all revenue received from the sale of plant, machinery and equipment. This also includes revenue from the sale of motor vehicles. |
| Earnings Before Interest and Tax | Earnings before interest and tax (commonly referred to as EBIT). It is derived by adding interest income and other operating income to trading profit and then subtracting selected labour costs, depreciation and other expenses. |
| 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. |
| Enterprise groups at 30 June | The number of enterprise groups in operation at 30 June. |
| 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. |

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| 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 11) | 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 11, 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 aggregated 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. |
| Imputed commission | When a management unit does not value transfers between its own establishments, a commission is attributed to establishment(s) for work done and/or sales carried out on behalf of the other establishment(s). Imputed commission is an income item for the establishment carrying out the work on behalf of another establishment(s) and an expense item for the establishment that is having the work done on its behalf. |
| 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 royalties 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 eg 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. |

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|---------------------------------------|---|----|--------------------------------|----|---|----|----------------------------|----|---|----|--|----|----------------------------------|----|-------------------|----|-----------------------------|----|---------------------|
| Industry Gross Product | <p>Industry Gross Product (IGP) is a measure of the unduplicated gross product of a business. It is derived as follows:</p> $\text{IGP} = \text{Value added}$ <ul style="list-style-type: none"> - Fringe benefits tax - Payroll tax - Other operating expenses | | | | | | | | | | | | | | | | | | |
| Industry group | <p>This is the intermediate level within the manufacturing industry division of ANZSIC and is recognised by a three digit code eg 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.</p> | | | | | | | | | | | | | | | | | | |
| Industry subdivision | <p>This is the broadest level category within the manufacturing industry division of ANZSIC and is recognised by a two digit code eg 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:</p> <table border="0" style="margin-left: 20px;"> <tr><td>21</td><td>Food, beverage and tobacco mfg</td></tr> <tr><td>22</td><td>Textile, clothing, footwear and leather mfg</td></tr> <tr><td>23</td><td>Wood and paper product mfg</td></tr> <tr><td>24</td><td>Printing, publishing and recorded media</td></tr> <tr><td>25</td><td>Petroleum, coal, chemical and associated product mfg</td></tr> <tr><td>26</td><td>Non-metallic mineral product mfg</td></tr> <tr><td>27</td><td>Metal product mfg</td></tr> <tr><td>28</td><td>Machinery and equipment mfg</td></tr> <tr><td>29</td><td>Other manufacturing</td></tr> </table> | 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 |
| 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 | | | | | | | | | | | | | | | | | | |
| Interest coverage | <p>The number of times over that businesses can meet their interest expenses from their earnings before interest, ie EBIT/Interest expenses.</p> | | | | | | | | | | | | | | | | | | |
| Interest expenses | <p>Includes interest paid on loans from banks, finance companies, insurance companies and related companies, and interest equivalents (such as hedging costs). Excludes bank charges and capital repayments.</p> | | | | | | | | | | | | | | | | | | |
| Interest income | <p>Includes interest received from bank accounts, loans and finance leases, and earnings on discounted bills.</p> | | | | | | | | | | | | | | | | | | |
| Liquidity ratio | <p>The ratio of current assets (excluding stocks) to current liabilities.</p> | | | | | | | | | | | | | | | | | | |
| Long-term debt to equity ratio | <p>The ratio of non-current liabilities to net worth shown as a percentage.</p> | | | | | | | | | | | | | | | | | | |
| Management unit | <p>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.</p> | | | | | | | | | | | | | | | | | | |
| Manufacturing establishment | <p>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.</p> | | | | | | | | | | | | | | | | | | |

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| Manufacturing management unit | A management unit predominantly engaged in manufacturing activities. The data collected for such management units cover all activities of the management unit (including in respect of non-manufacturing activities). Conversely, there are some management units predominantly engaged in non-manufacturing activities which have establishments engaged in 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 (eg 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. |
| Net capital expenditure to assets ratio | The ratio of net capital expenditure to total value of assets expressed as a percentage. |
| Net capital expenditure to profits ratio | The ratio of net capital expenditure to operating profit before tax expressed as a percentage. |
| Net worth | The value of the sum of total assets minus total liabilities and is equal to the interests of shareholders or other owners in the assets of the business. |
| Non-current assets | The book value of non-current assets as at the end of the financial year. Includes property, plant and machinery needed for normal operations, capitalised interest, and goodwill. |
| Non-current liabilities | The book value of non-current liabilities as at the end of the financial year. Includes bank loans, debentures and unsecured notes. |
| 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. |
| Operating Profit Before Tax | Operating profit before tax (OPBT) is a measure of profit before extraordinary items are brought into account and prior to the deduction of income tax and appropriations to owners (eg dividends paid). It is derived as follows: <div style="margin-left: 40px;"> $\begin{aligned} \text{OPBT} &= \text{Sales of goods and services} \\ &- \text{Cost of sales} \\ &+ \text{Interest income} \\ &+ \text{Other income} \\ &- \text{Selected labour costs} \\ &- \text{Depreciation} \\ &- \text{Other expenses} \\ &- \text{Interest expenses} \end{aligned}$ </div> <p>It is also derived by subtracting interest expenses from earnings before interest and tax.</p> |
| Operating profit before tax per person employed | This is the operating profit before tax for the year ending 30 June divided by the employment at the end of June. |

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| Operating profit margin | The percentage of sales of goods and services available as operating profit, ie (OPBT/Sales of goods and services) x 100. |
| Other current assets | Cash or other assets (excluding trading stocks) of a business that would normally be consumed or turned into cash within 12 months of the last financial period. |
| Other expenses (Table 18) | Comprises insurance premiums, bad debts written off and royalty expenses. |
| Other operating expenses (Table 17) | Includes operating expenses such as management fees and charges paid to related and unrelated businesses, office supplies and printing costs, rates, telephone and postage charges, travelling and entertainment expenses, accounting and legal services, advertising costs and land tax. Excludes income tax and extraordinary expenses. |
| Other operating income (Table 18) | Includes government subsidies, royalty income, dividends received, net profit (or loss) on the sale of fixed tangible assets, net profit (or loss) on foreign exchange transactions, and net profit (or loss) on share trading. It excludes extraordinary profits or losses, such as those associated with the sale of a segment of the business or goodwill revaluations. |
| Other selected income (Table 17) | The sum of government subsidies received, income from services, rent, leasing and hiring income, and own account capital work. |
| 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 selected expenses (Table 17) | Purchases of materials, components, containers, packaging, fuels, electricity and water, and purchases of goods for resale. It also 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. |
| Purchases and transfers in (Table 14) | 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 ie 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. |

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| 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. |
| Return on assets | Operating profit before tax as a percentage of the total book value of assets, ie $(OPBT/Total\ value\ of\ assets) \times 100$. This ratio indicates the efficiency with which assets are employed to generate profits. |
| Return on net worth | Operating profit before tax as a percentage of shareholders' funds, ie $(OPBT/Net\ worth) \times 100$. |
| 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 ie 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 ie at commercial selling price. |
| Sales of goods (Table 17) | Includes sales of goods whether or not manufactured by the business, sales or transfers to related businesses, and progress payments billed on engineering and construction projects. |
| Sales of goods and services (Table 18) | Includes sales of goods whether or not manufactured by the business, sales or transfers to related businesses, progress payments billed on engineering and construction projects, all repair and service income and fees, income from rent, leasing and hiring, contract, subcontract and commission income, and management fees/charges from related and unrelated businesses. |
| 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. |
| Selected labour costs | The sum of wages and salaries, employer contributions to superannuation funds and workers' compensation costs. |
| Selected labour costs per person employed | The selected labour costs for the year ending 30 June divided by the employment at the end of June. |
| 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. |

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| Short-term debt to equity ratio | The ratio of current liabilities to net worth expressed as a percentage. |
| Stocks turnover | The ratio of sales and service income to total closing stock. |
| Total assets per person employed | The total value of assets at the end of the financial year divided by the employment at the end of June. |
| 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 purchases, transfers in and selected expenses (Table 14) | Purchases 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, plus 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. 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 ie at commercial selling price. |
| 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 ie at commercial selling price. |
| Total value of assets | The sum of current and non-current assets. |
| Total value of liabilities | The sum of current and non-current liabilities. |
| Trading profit | A measure of profit directly attributable to trading in goods and services. It is derived by deducting the cost of sales from sales of goods and services. |
| 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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Client Services, ABS, PO Box 10, Belconnen ACT 2616

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