

MANUFACTURING

GRAEME SNOOKS

MANUFACTURING HAS PLAYED a central role in the development of the Australian economy during the last century. As a major source of employment, manufacturing facilitated high rates of immigration at a time when Australian rural export industries were actually shedding labour. The aim of government policies after World War I to increase the size of the Australian population could not have been achieved without the development of manufacturing under a protective tariff umbrella. Because tariff protection in the interwar years involved a relative shift of resources from high productivity rural industries to lower productivity urban industries, the federal government unwittingly ensured a slower rate of growth of living standards in its quest for the desired increase in community size. Yet in the longer term this policy was effective. The larger population enabled the achievement of economies of scale in the manufacturing sector after World War II, which in turn helped to raise productivity levels. From the late 1940s, therefore, the Australian manufacturing sector was able to absorb a rapidly growing population and to contribute to substantial improvements in average living standards.

A statistical outline of the development of the manufacturing sector between 1860 and 1982 has been provided in this chapter largely through employment data. The reasons for this focus are two-fold. Firstly, most people view economic activity primarily in terms of the employment it provides, and, secondly, employment can be interpreted without making complicated or questionable adjustments, such as price deflation. Yet, to round out this statistical portrait, additional data have also been provided on investment in plant and machinery, capital stock, and value of production, or value added. With these final three tables, and the output prices presented elsewhere in this volume, the interested reader can calculate capital-labour ratios, together with indexes of both labour and total-factor productivity.

The data clearly show that expansion of manufacturing was rapid throughout this period, although it did vary in a cyclical pattern: between 1868 and 1901 employment increased by 8.3 times; from Federation to the Great Depression, by 3 times; from the late 1920s to the late 1940s, by 1.8 times; and between then and the peak level achieved, in 1974, there was a 1.7 fold increase. Since the mid-1970s, however, employment has declined slightly in absolute terms. As this expansion was more rapid than the economy as a whole, the relative importance of the manufacturing sector increased substantially, if unevenly, throughout this period. Manufacturing

employment as a percentage of the total workforce surged ahead during three relatively short periods: the 1870s, when it increased from 3.1 to 10.7; from Federation to World War I, when it increased to 16.0; and during World War II when it increased to 24.7, an unprecedented level.

These surges in the relative importance of the manufacturing sector coincided with periods of significant structural change, which were produced by shifts of activity from the traditional areas of food processing, wood working and clothing to the more industrially advanced areas of metals and engineering, and chemicals. For example, employment in the metals and engineering industry as a proportion of total manufacturing employment, increased from 18 per cent in 1871, to 47.6 per cent in 1968, after which it declined slightly to 43.9 per cent in 1982. The main expansion of this sector, therefore, occurred after the late 1930s, and appears to have been central to Australia's industrialisation process. Corresponding with the expansion of metals and engineering, was a decline in the relative importance of food processing (from 20.8 per cent in 1871 to 11.0 per cent in 1968), wood working (13.2 to 6.5 per cent) and clothing and textiles manufacture (23.0 to 14.1 per cent).

The expansion and structural change of manufacturing after World War II was associated with a rapid growth of productivity. Excluding the years of the Great Depression, growth of manufacturing output per employee from Federation to World War II varied from 1.0 to 1.3 per cent per annum, whereas during the 1950s and 1960s it rose dramatically to 4.1 per cent per annum. During these two decades the expansion of manufacturing productivity per annum was 10.8 per cent higher than in the agricultural sector and almost double that of the economy as a whole. For the first time absolute levels of labour productivity in manufacturing became comparable with those in agriculture, which enabled industrial expansion to be achieved without adversely affecting the growth of GDP per capita. Unfortunately the improved productivity performance could not be sustained, and it fell to 2.4 per cent per annum between 1970 and 1982.

Regional changes in manufacturing have been important. In 1982, as in 1871, New South Wales and Victoria employed 71 per cent of the manufacturing workforce, with the other four states employing the remaining 29 per cent. This statistical summary, however, obscures a number of significant regional changes. For example, while in 1871 Victoria's share of total manufacturing employment was 37 per cent and New South Wales was 34 per cent, this relationship was exactly reversed in 1982. Furthermore, the struggle for industrial leadership was not achieved gradually: New South Wales, which first took the lead from Victoria even before World War I, continued to forge ahead until by 1947 its share was as high as 45.2 per cent compared with Victoria's 33.1 per cent; since that time the gap has narrowed. Of the other states, Tasmania's share of total manufacturing employment declined steadily (from 8.2 to 2.2 per cent), Western Australia's increased steadily (1.4 to 6.1 per cent), South Australia's was fairly constant (8 to 9 per cent), and Queensland's fluctuated considerably before the Great Depression (as low as 5.9 in 1881 and as high as 16.2 per cent in 1899), but has been reasonably constant (9 to 10 per cent) since that time.

Surprisingly, there has been no major change in the relative contribution of women to the manufacturing sector in the twentieth century: in 1901 females constituted 21.8 per cent of the manufacturing workforce, and in 1982 a slightly greater 25.3 per cent (a level reached as early as 1913). There were, however, a number of interesting fluctuations around this trend, which achieved modest peaks during World War I (27.6 per cent), the Great Depression (28.1 per cent), World War II (30 per cent), and 1974 (27.6 per cent). Clearly, the increased workforce participation of women since World War II has resulted from growing employment opportunities in the service and professional industries.

Manufacturing has played an important role in Australia's past development, largely through a process of government-assisted import replacement. Now that expansion of this type has been fully exploited, manufacturing will only continue to expand rapidly if it is able to initiate and sustain a process of innovation that will enable Australian firms to make significant and growing inroads into export markets. Unless this can be achieved, and past performance gives little cause for optimism, the role of manufacturing as an important agent of economic development will have been played out.

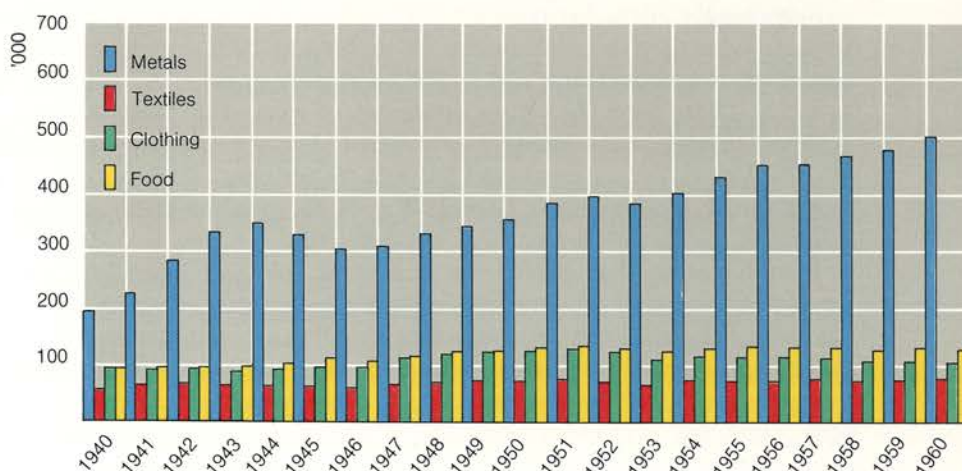
MANF 1-12 TOTAL EMPLOYMENT IN MANUFACTURING INDUSTRIES 1860-1900

Year 31 Dec	BUTLIN ^a					LINGE ^b						
	NSW	Vic	Qld	Tas	Total	NSW	Vic	Qld	SA	Tas	WA	Total
	1	2	3	4	5	6	7	8	9	10	11	12
1860	..	..	..	..	..	..	..	..	3226	3 140	..	..
1861	..	..	..	..	..	6 297	5 340	..	3392	3 391	..	..
1862	..	6 405	..	..	..	6 441	7 491	..	3387	3 646	..	..
1863	6 461	6 875	..	3 876	..	7 918	8 476	..	3869	3 877	..	..
1864	7 584	7 046	..	4 234	..	8 516	8 366	..	3913	3 940	..	..
1865	8 645	8 500	..	4 709	..	9 453	11 249	520	4195	4 360	..	..
1866	10 854	11 488	..	5 424	..	13 246	12 684	1 080	4080	4 876	..	..
1867	12 033	14 230	783	5 960	33 006	13 548	15 473	1 567	4532	5 644	..	..
1868	15 183	16 612	1 088	5 751	38 634	16 285	17 953	1 764	4531	5 852	..	..
1869	15 093	18 720	2 000	5 272	41 085	17 219	20 113	2 340	4607	6 322	..	..
1870	15 059	17 630	3 446	5 599	41 734	17 853	19 075	3 344	5085	5 902	743	52 002
1871	16 136	19 468	4 460	5 431	45 495	19 324	21 024	4 371	4681	6 584	790	56 774
1872	18 614	21 493	4 744	6 400	51 251	20 613	23 176	4 238	5416	6 649	692	60 784
1873	21 353	24 411	5 337	7 317	58 418	21 517	26 257	4 219	6132	6 714	855	65 694
1874	20 937	27 959	4 479	7 163	60 538	22 397	29 535	4 118	6204	6 779	1 448	70 481
1875	25 452	29 821	4 646	6 970	66 889	26 467	30 943	5 238	5991	6 910	1 445	76 994
1876	28 382	31 478	5 060	7 369	72 289	28 709	32 689	5 065	6035	7 247	1 360	81 105
1877	29 396	32 688	5 272	7 139	74 495	30 342	34 015	5 607	6273	7 587	1 380	85 204
1878	30 835	33 278	5 741	7 102	76 956	31 526	34 580	5 802	6336	8 264	1 545	88 053
1879	29 860	33 247	6 180	7 820	77 107	30 856	34 629	5 489	6556	8 941	1 685	88 156
1880	33 257	38 141	5 710	8 010	85 118	33 182	40 331	5 595	6586	9 689	1 848	97 231
1881	35 241	43 209	7 232	9 323	95 005	36 369	45 316	6 340	6758	10 677	1 895	107 355
1882	36 420	45 698	8 452	9 549	100 119	38 939	47 600	7 940	6634	11 604	2 167	114 884
1883	38 546	46 857	9 856	9 207	104 466	39 938	49 068	10 220	6630	10 999	2 664	119 519
1884	42 843	49 393	10 505	8 690	111 431	44 398	51 664	11 351	6405	9 573	2 892	126 283
1885	46 567	49 297	11 869	9 064	116 797	47 676	51 459	12 516	6236	10 082	3 309	131 278
1886	47 584	45 773	11 180	8 050	112 587	47 535	47 644	12 666	6073	10 637	3 600	128 155
1887	46 304	49 084	11 880	7 191	114 459	46 224	51 112	13 265	6381	11 192	3 620	131 794
1888	49 880	54 488	13 299	7 620	125 287	49 311	56 278	13 857	5945	11 751	3 390	140 532
1889	49 164	57 432	14 674	7 680	128 950	50 124	59 431	16 056	6021	12 254	4 202	148 088
1890	51 410	56 369	14 542	7 620	129 941	50 250	58 639	16 002	6478	12 761	5 113	149 243
1891	..	52 225	14 608	7 890	..	..	54 514	14 952	6367	13 704	5 068	..
1892	49 728	43 192	13 290	6 240	112 450	49 728	45 517	13 369	5929	11 325	5 220	131 088
1893	41 651	39 473	15 301	5 607	102 032	41 506	41 882	14 439	5532	11 707	5 827	120 893
1894	45 682	41 000	15 876	5 752	108 310	45 393	43 541	15 224	5930	12 075	7 028	129 191
1895	48 528	45 235	18 728	4 095	116 586	48 512	47 864	18 728	5983	12 443	7 590	141 120
1896	51 115	49 383	..	7 530	..	50 424	50 439	19 733	5945	12 811	9 478	148 830
1897	52 645	51 774	..	9 132	..	52 030	52 760	22 843	6659	12 864	9 457	156 613
1898	53 555	54 360	..	10 990	..	53 239	54 938	24 809	7129	14 494	9 640	164 249
1899	56 879	59 376	..	12 240	..	56 528	60 133	28 883	7383	14 927	9 917	177 771
1900	61 889	63 308	..	12 608	..	61 717	64 263	25 953	..	..	10 836	..

NOTE Includes those employed in the production of heat, light and power.

(a) Butlin, *Aust domestic product, investment and foreign borrowing 1861-1939*, Cambridge 1962, 160-163.

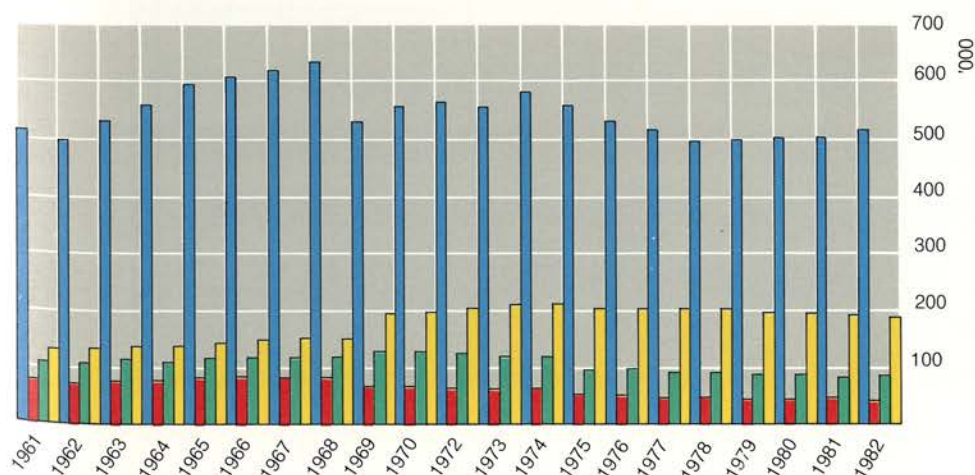
(b) G.J.R. Linge, *Industrial awakening*, Canberra 1979, Appendix 1.



**MANF 13-22 TOTAL EMPLOYMENT IN MANUFACTURING BY INDUSTRIAL
SUBDIVISION, AUSTRALIA 1868-1900**

Year 31 Dec	Non- metal mining	Chemical	Metals	Textiles	Clothing	Leather	Food	Wood	Other	Total
	13	14	15	16	17	18	19	20	21	22
1868	1116	523	3 377	210	4 347	1083	3 474	2 490	1 209	17 829
1869	1424	650	3 646	268	4 876	1246	4 065	2 457	1 307	19 939
1870	1511	529	3 527	320	4 071	1262	4 030	2 391	1 274	18 915
1871	1702	623	3 758	353	4 452	1401	4 350	2 752	1 473	20 864
1872	1528	657	4 294	444	5 222	1593	4 443	3 136	1 667	22 984
1873	1990	731	4 811	526	5 823	1677	4 932	3 603	1 955	26 048
1874	1971	806	5 279	810	7 343	2238	4 701	3 750	2 406	29 304
1875	2124	1022	8 111	1037	8 490	2810	6 335	4 377	3 206	37 512
1876	1872	962	6 028	1212	7 851	2512	5 088	3 816	3 084	32 425
1877	4316	1365	12 181	1617	17 090	5143	10 988	6 689	4 568	63 957
1878	4536	1322	12 742	1544	17 389	4650	11 436	6 914	5 170	65 703
1879	4124	1350	12 345	1712	17 025	4561	11 433	6 707	5 764	65 021
1880	6492	1740	20 053	1517	20 955	6650	14 294	10 196	7 366	89 263
1881	6916	2021	22 157	1961	23 056	6977	15 942	11 202	8 079	98 311
1882	7927	1860	23 314	2017	22 776	7403	17 587	12 562	8 598	104 044
1883	8098	1947	24 599	1954	22 989	6917	17 083	13 473	8 768	105 828
1884	8699	1990	25 966	2005	23 784	6901	18 486	13 707	9 650	111 188
1885	8595	2016	23 585	1787	22 235	5749	17 096	14 054	9 361	104 478
1886	7829	2151	23 077	1537	19 834	5241	17 035	13 779	9 874	100 357
1887	7418	2142	23 102	1636	20 913	4924	17 712	14 696	10 221	102 764
1888	8741	2471	30 240	1901	23 718	6058	19 022	17 460	12 514	122 125
1889	7990	2146	27 555	1678	22 333	5556	18 259	16 342	12 541	114 400
1890	8685	2634	32 568	1891	26 280	5740	19 922	16 315	12 732	126 767
1891	..	..	..	..	..	..	..	..	..	..
1892	5918	2747	31 336	1528	23 899	5629	23 134	14 295	13 669	122 155
1893	4113	3954	21 673	1356	20 750	4679	22 036	10 630	12 559	101 750
1894	4163	4520	22 023	1544	23 776	5723	23 465	10 585	12 681	108 480
1895	4317	4021	22 858	1782	27 589	6329	27 072	11 462	14 105	119 535
1896	5208	3812	29 890	1929	29 795	7224	32 251	12 962	14 560	137 631
1897	5975	3860	35 206	..	32 986	7301	33 888	17 354	15 988	154 557
1898	6654	3771	37 627	..	34 187	7245	35 793	18 479	16 139	162 127
1899	7232	4120	42 054	..	36 524	7853	38 783	19 962	16 698	175 619
1900	6757	2984	35 616	..	37 056	7138	33 868	19 031	15 977	160 613

NOTE Excludes those employed in the production of heat, light and power.



EMPLOYMENT IN THE
AUSTRALIAN METALS,
TEXTILES, CLOTHING AND
FOOD INDUSTRIES,
1940-1982

Note: Figures are unavailable for 1971

MANF 23-32 TOTAL EMPLOYMENT IN MANUFACTURING BY INDUSTRIAL SUBDIVISION, AUSTRALIA 1901-1982

Year 30 June	Non- metal mining	Chem- ical	Metals	Textiles	Clothing	Leather	Food	Wood	Other	Total
23	24	25	26	27	28	29	30	31	32	
'000	'000	'000	'000	'000	'000	'000	'000	'000	'000	'000
1942	25.1	47.0	276.1	60.5	88.7	12.6	94.9	48.5	63.4	716.8
1943	18.4	54.1	328.1	58.7	80.6	12.1	96.4	43.9	57.9	750.2
1944	17.3	42.6	341.3	58.2	80.7	12.7	101.6	44.4	58.6	757.4
1945	18.4	36.3	319.0	57.8	86.4	12.5	105.2	45.3	60.5	741.1
1946	23.4	31.5	292.5	55.0	93.4	14.5	105.9	51.5	67.1	734.7
1947	29.2	31.3	300.9	59.8	106.9	16.1	109.8	60.0	79.6	793.6
1948	31.8	31.8	321.0	61.9	111.7	15.6	113.6	65.6	83.8	836.6
1949	34.3	33.4	333.3	64.9	118.1	15.9	118.6	71.2	88.2	877.5
1950	35.8	34.5	344.3	65.5	118.8	16.3	122.8	74.2	92.0	904.3
1951	38.9	36.3	373.8	68.3	122.5	15.8	124.4	79.1	96.2	955.2
1952	40.3	38.2	389.3	63.5	116.7	14.3	122.7	81.8	96.2	963.1
1953	38.9	36.1	376.4	60.1	105.7	14.0	120.6	77.3	89.4	918.6
1954	40.5	38.0	397.7	69.4	112.5	14.7	123.1	79.9	98.2	974.0
1955	43.1	41.3	422.1	69.0	112.8	14.5	125.9	82.5	103.7	1015.1
1956	43.8	44.7	444.3	68.4	110.8	13.8	126.5	83.4	108.6	1044.3
1957	42.5	45.4	447.8	70.2	109.3	13.5	124.7	81.3	111.8	1046.4
1958	43.3	47.0	459.3	68.9	106.9	13.2	123.5	81.3	113.7	1057.2
1959	44.2	47.9	469.4	67.5	106.1	12.9	125.4	82.2	115.6	1071.2
1960	46.1	47.6	498.2	72.3	106.8	12.9	126.2	84.5	120.4	1115.1
1961	48.0	46.8	509.9	71.1	107.2	12.3	126.5	83.0	123.9	1128.7
1962	47.3	46.8	497.0	67.9	104.6	12.0	128.6	78.7	121.6	1104.5
1963	49.0	47.5	524.6	72.0	107.9	12.3	131.3	78.9	127.4	1151.0
1964	50.4	49.0	525.8	73.1	108.9	12.2	134.5	80.2	132.9	1194.0
1965	52.7	51.5	588.0	75.3	110.6	12.0	138.8	83.1	141.3	1253.2
1966	53.2	53.1	601.6	74.7	111.8	11.8	142.2	84.4	140.8	1273.5
1967	53.1	54.6	611.6	73.3	111.9	11.4	143.5	84.4	149.6	1293.4
1968	53.8	55.1	626.3	73.8	111.0	11.5	144.5	85.3	154.1	1315.3
1969	51.1	63.8	533.5	58.7	122.1	8.6	184.8	83.1	158.3	1264.0
1970	52.4	65.7	550.5	59.2	122.3	8.8	192.0	81.3	164.5	1296.6
1971	..	..	..	..	..	..	..	..	..	..
1972	51.3	65.6	554.7	55.2	116.1	8.0	201.6	81.1	169.2	1302.8
1973	53.0	65.5	548.3	53.8	111.6	7.4	203.1	82.8	172.0	1337.6
1974	55.4	67.1	575.0	54.6	110.0	7.1	204.2	85.7	179.3	1338.4
1975	51.0	63.9	550.0	43.2	90.3	5.9	196.9	78.1	165.9	1245.2
1976	48.4	60.3	519.2	44.0	89.0	5.7	196.9	78.5	158.6	1200.4
1977	47.6	60.4	508.1	39.2	84.0	5.1	195.9	77.9	157.6	1175.8
1978	46.3	61.7	487.2	37.2	81.1	4.9	195.3	75.1	155.6	1144.6
1979	45.0	61.8	493.1	36.5	80.9	4.8	189.6	74.5	157.8	1143.9
1980	45.8	60.3	499.4	37.5	80.0	4.6	186.4	77.2	163.0	1154.2
1981	45.9	59.7	499.4	36.9	78.4	4.7	183.7	78.8	162.4	1149.8
1982	46.0	60.2	506.8	35.9	77.5	4.8	178.7	80.4	164.3	1154.7

Year 31 Dec	Non- metal mining	Chem- ical	Metals	Textiles	Clothing	Leather	Food	Wood	Other	Total	
23	24	25	26	27	28	29	30	31	32		
'000	'000	'000	'000	'000	'000	'000	'000	'000	'000	'000	
1901	7.6	3.3	46.4	49.9	3.1	35.4	21.3	21.3	188.3		
1902	7.2	3.2	44.4	52.6	4.3	30.8	21.4	21.4	185.4		
1903	8.0	4.5	47.7	60.7	2.9	33.5	21.7	21.7	200.7		
1904	8.1	4.5	48.3	63.7	3.0	34.6	21.7	21.7	205.6		
1905	8.2	4.0	49.9	66.2	3.2	36.4	22.2	22.2	212.2		
1906	8.8	5.1	55.0	70.7	3.5	38.6	24.4	24.4	230.5		
1907	8.9	5.8	59.4	70.7	3.9	42.7	26.5	26.5	243.5		
1908	9.4	5.9	61.6	72.6	4.0	43.2	28.7	28.7	251.7		
1909	9.6	6.4	63.3	76.2	3.9	43.6	30.4	27.0	260.4		
1910	10.7	7.0	69.2	81.7	4.2	45.4	33.2	28.4	280.0		
1911	12.1	7.6	76.8	86.4	4.5	48.5	37.7	30.6	304.1		
1912	12.9	8.2	83.7	87.2	4.3	49.7	41.3	31.6	318.9		
1913	13.8	8.6	87.0	86.6	4.1	53.0	42.3	32.3	327.7		
1914	13.6	9.6	84.9	82.9	3.9	54.1	39.9	32.9	321.8		
1915	12.6	9.9	83.8	80.8	4.5	51.2	35.2	33.2	311.1		
1916	11.6	10.4	82.5	82.7	4.7	50.8	32.2	32.2	306.7		
1917	10.9	11.3	79.3	85.8	4.7	55.2	31.4	32.8	311.4		
1918	12.6	11.2	77.6	24.6	5.0	58.6	33.1	34.4	257.1		
30 June											
1919	13.8	11.4	82.4	85.0	5.7	62.3	36.0	38.1	334.6		
1920	16.3	12.3	93.9	92.9	7.1	63.2	41.6	36.5	363.7		
1921	18.3	12.4	103.6	91.2	6.3	60.2	44.0	39.6	375.6		
1922	17.0	12.5	100.6	99.8	7.7	62.6	44.1	41.6	385.9		
1923	18.7	11.5	104.2	105.0	7.9	65.0	45.8	41.1	399.3		
1924	20.3	12.6	116.5	102.5	6.9	64.7	51.7	41.6	416.7		
1925	20.3	12.7	121.4	102.6	6.6	67.7	51.4	43.3	426.1		
1926	20.7	13.1	128.5	105.4	7.0	69.3	51.9	43.5	439.4		
1927	21.6	12.9	136.3	113.3	6.9	68.0	49.9	45.7	454.7		
1928	21.4	13.3	132.0	111.4	6.0	74.0	46.9	47.1	452.1		
1929	19.7	13.3	131.4	110.6	6.1	68.9	41.8	46.5	438.3		
1930	17.2	12.4	117.9	104.2	5.9	67.4	37.4	45.1	407.5		
1931	10.2	11.8	89.5	26.2	60.1	6.6	62.3	23.4	40.2	330.3	
1932	9.1	12.0	82.7	30.6	61.9	7.8	62.5	21.6	40.4	328.5	
1933	11.3	12.7	94.6	35.0	67.3	8.9	64.7	25.1	43.1	362.6	
1934	14.5	13.3	107.4	36.8	72.3	9.5	67.7	29.5	46.6	397.5	
1935	18.0	14.8	125.6	38.0	78.1	9.8	70.5	35.5	50.4	440.8	
1936	20.7	16.2	145.5	42.0	81.4	10.4	73.3	40.9	53.0	483.4	
1937	23.0	17.6	161.5	43.4	82.1	10.9	77.5	44.0	55.0	515.1	
1938	25.1	18.8	178.0	45.2	85.4	10.4	81.8	46.7	58.6	550.1	
1939	26.1	19.8	177.7	46.1	86.1	10.8	83.9	46.0	59.3	555.7	
1940	25.2	23.8	184.5	51.0	87.7	11.5	87.0	46.3	61.0	577.9	
1941	26.7	32.5	221.1	57.3	89.0	12.7	91.5	48.7	62.3	641.8	

NOTE In 1969 census units underwent major redefinition.

MANF 33-42 MALES EMPLOYED IN MANUFACTURING BY INDUSTRIAL SUBDIVISION, AUSTRALIA 1901-1982

Year 31 Dec	Non- metal mining	Chem- ical	Metals	Textiles	Clothing	Leather	Food	Wood	Other	Total
33	34	35	36	37	38	39	40	41	42	
'000	'000	'000	'000	'000	'000	'000	'000	'000	'000	'000
1901	7.6	2.9	46.2	21.0	3.0	30.8	20.6	16.2	148.3	
1902	7.2	2.8	44.1	20.3	4.3	26.4	20.6	16.5	142.0	
1903	8.0	3.7	47.4	22.9	2.9	28.8	21.2	17.6	152.4	
1904	8.0	3.7	48.1	22.8	3.0	29.7	21.2	17.5	154.0	
1905	8.1	3.1	49.6	23.1	3.3	31.0	21.8	17.7	157.8	
1906	8.6	4.1	54.7	23.6	3.4	32.8	23.8	20.5	171.4	
1907	8.8	4.7	59.1	21.9	3.7	35.7	26.0	20.0	179.7	
1908	9.3	4.7	61.2	21.9	3.8	35.4	28.1	20.6	185.0	
1909	9.5	5.1	62.9	22.9	3.7	35.7	29.7	21.0	190.4	
1910	10.6	5.5	68.6	23.8	3.9	37.3	32.4	21.9	204.0	
1911	12.0	6.0	76.0	24.5	4.1	40.2	36.7	23.4	222.9	
1912	12.8	6.3	82.8	24.5	4.0	41.3	40.2	24.2	236.1	
1913	13.7	6.8	86.0	24.8	3.8	44.2	41.2	24.7	245.1	
1914	13.4	7.6	83.7	23.4	3.8	45.3	38.8	25.5	241.5	
1915	12.5	7.5	82.6	23.1	4.0	42.2	34.0	25.6	231.6	
1916	11.4	8.0	81.1	23.3	4.2	41.5	31.1	24.0	224.6	
1917	10.8	8.5	77.6	24.1	4.1	44.8	30.1	24.4	224.3	
1918	12.4	8.6	75.8	24.5	4.4	46.7	32.5	25.4	230.3	
30 June										
1919	13.5	8.7	80.6	25.3	5.0	49.5	34.5	29.2	246.2	
1920	16.0	9.3	91.9	28.6	5.3	50.6	40.0	27.0	268.7	
1921	18.0	9.5	101.4	27.6	5.5	47.4	42.5	29.7	281.5	
1922	16.7	9.5	98.4	30.2	6.8	49.2	42.5	31.6	284.9	
1923	18.3	8.7	101.7	31.9	7.0	50.6	44.1	30.2	292.5	
1924	19.8	9.6	113.2	31.5	5.9	50.3	49.6	30.9	310.9	
1925	19.9	9.7	117.9	31.4	5.5	53.3	49.2	32.2	319.0	
1926	20.3	10.0	124.8	32.1	5.7	54.9	49.5	32.0	329.3	
1927	21.1	9.6	132.2	34.1	5.6	53.4	47.5	33.6	337.2	
1928	20.9	10.1	127.9	33.4	4.9	58.4	44.3	34.6	334.6	
1929	19.2	10.1	127.0	33.1	4.9	54.2	39.2	34.0	321.7	
1930	16.8	9.4	113.6	32.1	4.8	53.0	34.8	33.0	297.5	
1931	9.8	8.4	86.1	9.9	5.3	49.2	21.8	29.4	237.6	
1932	8.7	8.5	79.1	11.7	6.4	48.5	20.0	29.5	230.0	
1933	10.8	9.0	90.4	13.3	7.2	49.9	23.4	30.8	253.6	
1934	13.9	9.4	102.6	14.6	7.8	52.0	27.4	33.6	281.1	
1935	17.4	10.5	119.7	15.2	7.9	53.3	33.0	36.0	313.9	
1936	19.9	11.5	138.5	17.0	8.3	54.7	38.0	38.0	347.4	
1937	22.2	12.5	153.1	17.7	8.5	57.3	40.7	39.2	372.7	
1938	24.2	13.4	168.5	18.3	8.2	60.2	43.1	41.6	399.7	
1939	25.0	14.1	168.2	18.8	8.3	62.0	42.4	42.2	403.4	
1940	24.0	17.2	173.8	20.9	8.9	64.1	42.5	43.0	417.4	
1941	25.3	22.8	206.2	23.2	9.7	66.7	44.6	43.3	464.9	
Year 30 June										
1942	23.4	30.8	252.6	23.5	22.4	67.3	44.2	42.3	516.0	
1943	16.7	32.5	282.7	21.7	20.2	66.9	39.9	37.3	526.8	
1944	15.7	26.9	285.9	22.3	20.7	70.9	40.5	38.1	530.2	
1945	16.9	24.7	274.3	23.1	21.9	74.4	41.8	40.3	526.6	
1946	21.9	23.0	262.0	24.0	25.2	10.9	76.6	47.4	538.4	
1947	27.7	23.3	274.7	28.3	30.8	12.4	81.9	55.8	593.1	
1948	30.1	24.0	293.2	29.6	32.3	12.1	84.8	61.1	628.9	
1949	32.4	25.3	303.4	30.5	34.0	12.2	88.5	66.3	657.4	
1950	33.8	26.3	312.0	30.0	34.3	12.4	91.1	68.9	676.2	
1951	36.5	27.4	336.0	30.4	34.9	12.1	92.2	73.2	712.5	
1952	37.9	28.9	350.1	28.1	34.1	11.0	91.1	75.9	727.6	
1953	36.1	27.9	343.9	26.7	32.7	11.0	91.8	71.9	664.708.4	
1954	37.9	29.1	361.3	30.3	34.1	11.4	93.0	74.0	743.0	
1955	40.3	31.5	380.1	29.4	33.6	11.1	94.9	76.2	772.8	
1956	40.9	34.2	398.4	29.0	32.9	10.4	94.6	76.6	789.795.8	
1957	39.5	35.1	400.6	30.1	32.8	10.2	92.8	74.3	81.5 796.8	
1958	40.3	36.4	408.2	29.8	31.9	9.9	91.8	74.2	83.6 806.1	
1959	41.1	37.2	415.8	29.1	31.5	9.7	93.6	74.8	85.2 818.1	
1960	42.7	36.9	437.8	30.4	31.0	9.5	92.7	76.6	88.2 845.7	
1961	44.4	36.4	449.0	29.5	31.0	8.9	91.7	75.0	90.4 856.2	
1962	43.8	36.4	440.6	28.9	30.5	8.7	92.8	70.8	89.1 841.5	
1963	45.4	37.0	462.3	30.1	30.8	8.9	94.5	70.9	92.6 872.4	
1964	46.6	38.0	485.4	30.2	30.2	8.6	95.8	71.6	96.1 902.5	
1965	48.5	39.7	511.6	30.9	29.7	8.2	98.1	73.8	101.1 941.7	
1966	48.8	40.9	522.9	31.0	28.9	7.9	99.1	74.6	99.2 953.3	
1967	48.7	41.9	529.8	30.6	28.5	7.5	99.4	74.1	106.5 967.1	
1968	49.2	42.1	542.1	31.1	27.8	7.5	99.4	74.6	109.2 983.1	
1969	46.3	47.0	449.3	31.8	27.1	5.1	137.1	73.9	112.2 930.0	
1970	47.4	48.4	460.8	32.8	26.5	5.2	141.8	71.4	115.8 950.1	
1971	46.2	48.0	462.0	30.5	25.1	4.5	148.1	70.7	120.0 955.1	
1972	47.5	47.9	455.3	29.9	24.6	4.0	149.6	71.8	121.6 952.1	
1973	49.6	48.7	467.5	30.1	24.2	3.8	147.6	73.1	124.8 969.4	
1974	45.7	46.4	450.5	24.4	20.6	3.2	142.7	66.8	116.6 916.9	
1975	43.7	44.2	428.9	24.6	20.4	3.2	144.7	67.0	112.3 888.5	
1976	42.7	44.5	421.7	22.3	19.3	3.1	144.4	66.6	111.6 876.1	
1977	41.4	45.7	405.5	21.0	19.2	3.0	144.0	63.9	110.4 854.2	
1978	40.1	45.7	410.8	20.7	18.9	2.9	139.0	63.2	111.7 853.0	
1979	40.7	44.6	417.7	21.7	18.4	2.8	135.6	65.8	115.0 862.4	
1980	40.8	44.4	418.3	21.4	18.2	2.8	132.6	66.9	113.7 859.1	
1981	40.9	44.8	424.0	20.9	18.0	3.0	127.9	68.0	114.9 862.4	

NOTE In 1969 census units underwent major redefinition.

MANF 43-52 FEMALES EMPLOYED IN MANUFACTURING BY INDUSTRIAL SUBDIVISION, AUSTRALIA 1901-1982

Year 31 Dec	Non- metal mining	Chem- ical	Metals	Textiles	Clothing	Leather	Food	Wood	Other	Total
43	44	45	46	47	48	49	50	51	52	
'000	'000	'000	'000	'000	'000	'000	'000	'000	'000	'000
1901	0.1	0.3	0.2	28.9	0.1	4.6	0.8	2.7	37.6	
1902	0.1	0.4	0.3	31.3	0.1	4.5	0.8	3.5	41.0	
1903	0.1	0.8	0.2	36.6	0.1	4.7	0.5	4.2	47.1	
1904	0.1	0.8	0.3	39.7	0.1	4.9	0.4	4.3	50.5	
1905	0.1	0.9	0.3	41.8	0.1	5.3	0.4	4.6	53.5	
1906	0.2	1.0	0.3	44.4	0.1	5.9	0.6	5.1	57.6	
1907	0.1	1.1	0.4	48.9	0.2	7.0	0.5	5.6	63.8	
1908	0.1	1.2	0.4	50.7	0.2	7.7	0.6	5.9	66.8	
1909	0.1	1.3	0.5	53.3	0.2	8.0	0.7	6.0	70.0	
1910	0.1	1.5	0.6	57.9	0.3	8.1	0.8	6.5	75.9	
1911	0.1	1.6	0.7	62.0	0.4	8.4	0.9	7.1	81.2	
1912	0.1	1.9	0.9	62.7	0.4	8.5	1.0	7.3	82.8	
1913	0.1	1.9	1.0	61.8	0.3	8.8	1.1	7.6	82.6	
1914	0.1	2.0	1.1	59.5	0.4	8.9	1.1	7.4	80.6	
1915	0.2	2.3	1.2	57.7	0.4	9.0	1.1	7.6	79.5	
1916	0.2	2.4	1.3	59.4	0.5	9.3	1.2	8.0	82.1	
1917	0.2	2.8	1.7	61.7	0.6	10.4	1.3	8.4	87.0	
1918	0.2	2.6	1.8	60.4	0.6	11.9	1.4	9.0	88.0	
30 June										
1919	0.3	2.7	1.8	59.3	0.7	12.8	1.4	8.9	87.8	
1920	0.3	3.0	2.0	64.4	0.9	14.1	1.4	9.5	95.6	
1921	0.3	2.7	2.2	63.5	0.9	12.7	1.5	9.8	93.7	
1922	0.3	3.0	2.2	69.5	0.9	12.7	1.6	10.0	100.3	
1923	0.4	2.8	2.5	73.1	1.0	13.4	1.8	10.9	105.7	
1924	0.4	3.0	3.3	71.4	1.0	14.4	2.1	10.7	106.2	
1925	0.4	3.0	3.5	71.3	1.1	14.4	2.2	11.2	107.1	
1926	0.4	3.1	3.7	73.3	1.4	14.4	2.4	11.5	110.1	
1927	0.5	3.3	4.0	79.2	1.3	14.6	2.5	12.1	117.5	
1928	0.5	3.2	4.1	78.0	1.1	15.5	2.7	12.5	117.5	
1929	0.5	3.1	4.4	77.6	1.2	14.8	2.6	12.4	116.5	
1930	0.5	3.0	4.3	72.1	1.1	14.4	2.6	12.1	110.0	
1931	0.4	3.4	3.4	16.4	42.3	1.3	13.1	1.6	10.8	92.7
1932	0.4	3.5	3.6	18.9	44.1	1.5	14.0	1.6	10.9	98.5
1933	0.5	3.6	4.2	21.7	48.6	1.6	14.8	1.8	12.3	109.0
1934	0.6	3.9	4.8	22.2	52.6	1.7	15.7	2.1	12.9	116.5
1935	0.7	4.3	5.9	22.8	57.2	1.9	17.2	2.5	14.4	126.9
1936	0.7	4.7	6.9	25.0	60.0	2.2	18.5	2.9	15.0	136.0
1937	0.8	5.2	8.4	25.7	60.7	2.4	20.1	3.4	15.8	142.3
1938	0.9	5.4	9.5	26.9	63.2	2.3	21.6	3.6	17.0	150.4
1939	1.0	5.7	9.5	27.3	63.8	2.4	21.8	3.6	17.1	152.3
1940	1.2	6.6	10.6	30.1	64.9	2.6	22.9	3.8	18.0	160.5
1941	1.4	9.7	14.9	34.1	65.9	3.1	24.8	4.1	19.0	177.0
1942	1.7	16.2	23.5	37.0	66.3	3.2	27.6	4.3	21.1	200.9
1943	1.7	21.6	45.4	36.9	60.4	3.1	29.6	4.0	20.6	223.4
1944	1.6	15.7	55.2	36.2	60.0	3.5	30.8	3.9	20.5	227.3
1945	1.5	11.7	45.0	34.1	64.5	3.2	30.8	3.5	20.2	214.6
1946	1.5	8.5	30.4	31.0	68.1	3.6	29.3	4.0	19.8	196.3
1947	1.5	8.0	26.2	31.5	76.1	3.7	28.0	4.2	21.3	200.5
1948	1.7	7.8	27.8	32.3	79.3	3.5	28.8	4.5	22.1	207.8
1949	1.9	8.0	29.9	34.3	84.1	3.7	29.7	4.9	23.6	220.0
1950	2.0	8.3	32.3	35.5	84.4	3.8	31.7	5.3	24.7	228.0
1951	2.4	8.9	37.8	37.9	87.6	3.7	32.1	5.9	26.4	242.7
1952	2.4	9.3	39.1	35.4	82.6	3.3	31.7	5.9	25.7	235.4
1953	2.8	8.2	32.5	33.4	73.0	3.0	28.8	5.5	23.0	210.2
1954	2.5	8.9	36.4	39.1	78.5	3.3	30.1	5.9	26.2	230.9
1955	2.8	9.8	42.0	39.6	79.2	3.4	31.1	6.3	28.1	242.3
1956	2.9	10.5	45.9	39.3	77.9	3.4	31.9	6.9	29.7	248.5
1957	3.0	10.4	47.2	40.1	76.5	3.2	32.0	7.0	30.3	249.6
1958	3.0	10.6	51.2	39.1	75.1	3.2	31.6	7.2	30.2	251.1
1959	3.1	10.6	53.6	38.3	74.6	3.3	31.8	7.4	30.4	253.2
1960	3.4	10.7	60.4	41.9	75.8	3.4	33.5	7.9	32.3	269.3
1961	3.6	10.5	60.9	41.6	76.1	3.4	34.8	8.1	33.5	272.5
1962	3.5	10.4	56.4	39.1	74.1	3.3	35.8	7.9	32.6	263.0
1963	3.7	10.5	62.4	41.9	77.2	3.4	36.8	8.1	34.7	278.6
1964	3.8	11.0	67.4	42.9	78.7	3.6	38.7	8.6	36.8	291.5
1965	4.2	11.8	76.4	44.4	80.9	3.8	40.7	9.3	40.2	311.5
1966	4.4	12.2	78.7	43.7	82.9	3.9	43.0	9.8	41.6	320.3
1967	4.4	12.7	81.8	42.7	83.4	3.9	44.1	10.2	43.1	326.3
1968	4.6	12.9	84.2	42.7	83.3	4.0	45.0	10.8	44.8	332.3
1969	4.8	16.8	84.2	26.8	95.0	3.5	47.7	9.1	46.1	334.1
1970	5.0	17.3	89.7	26.4	95.8	3.7	50.2	9.8	48.7	346.6
1971	5.1	17.6	92.7	24.7	91.0	3.5	53.5	10.3	49.2	347.7
1972	5.1	17.6	93.1	23.9	87.0	3.3	53.5	11.1	50.4	345.5
1973	5.9	18.5	107.5	24.5	85.8	3.3	56.5	12.5	54.5	369.1
1974	5.3	17.5	99.5	18.8	69.7	2.7	54.2	11.3	49.3	328.3
1975	5.1	16.1	90.2	19.4	68.6	2.5	52.2	11.4	46.3	311.9
1976	4.9	15.9	86.4	16.9	64.7	2.0	51.5	11.3	46.0	299.7
1977	4.9	16.1	81.7	16.2	61.9	1.9	51.3	11.2	45.2	290.4
1978	4.9	16.1	82.3	15.8	62.0	1.8	50.7	11.2	46.1	290.9
1979	5.0	15.7	81.7	15.8	61.6	1.9	50.8	11.4	48.0	291.8
1980	5.1	15.3	81.1	15.5	60.3	1.9	51.1	11.9	48.6	290.8
1981	5.1	15.4	82.9	15.1	59.5	1.8	50.8	12.4	49.3	292.3

NOTE In 1969 census units underwent major redefinition.

MANF 53-62 TOTAL EMPLOYMENT IN MANUFACTURING BY INDUSTRIAL SUBDIVISION, NEW SOUTH WALES 1901-1982

Year 31 Dec	Non- metal mining	Chem- cal	Metals	Textiles	Clothing	Leather	Food	Wood	Other	Total
53	54	55	56	57	58	59	60	61	62	
'000	'000	'000	'000	'000	'000	'000	'000	'000	'000	'000
1901	3.0	1.3	17.9	15.9	1.2	11.7	7.3	6.4	64.7	
1902	3.3	1.4	17.4	16.0	1.2	11.5	7.2	6.8	64.7	
1903	3.1	1.5	16.4	16.9	1.0	10.7	7.1	7.1	64.0	
1904	3.2	1.6	17.0	18.0	1.0	11.2	6.8	7.5	66.4	
1905	3.4	1.8	17.7	19.5	1.0	12.0	7.2	7.9	70.8	
1906	3.9	1.9	19.6	21.2	1.1	12.1	7.5	10.5	77.8	
1907	3.7	2.2	23.3	23.4	1.3	12.9	8.4	9.4	84.4	
1908	3.9	2.2	24.1	23.9	1.3	12.8	9.0	9.8	86.9	
1909	4.1	2.4	24.2	24.8	1.3	13.1	9.5	9.9	89.4	
1910	4.9	2.7	26.8	26.2	1.4	13.9	10.6	10.7	97.2	
1911	5.7	2.9	29.7	28.1	1.5	14.8	11.7	11.4	105.8	
1912	5.9	3.1	33.1	28.6	1.5	15.1	13.0	11.8	112.2	
1913	6.6	3.2	35.5	28.2	1.5	16.2	13.4	12.3	116.8	
30 June										
1915	6.3	3.6	35.2	25.9	1.5	15.5	11.9	13.1	112.9	
1916	5.5	4.3	35.2	27.9	1.6	15.1	10.9	12.0	112.6	
1917	5.3	4.9	35.4	27.8	1.7	16.1	10.8	12.3	114.3	
1918	6.0	5.2	34.1	28.3	1.8	17.5	11.2	12.4	116.5	
1919	6.5	5.4	37.9	28.0	2.0	18.6	12.2	12.9	122.6	
1920	8.1	5.8	44.1	31.2	2.2	20.0	13.6	14.7	139.7	
1921	8.8	6.6	47.3	29.8	2.2	18.5	13.5	14.3	141.0	
1922	7.6	5.7	45.5	33.6	2.4	19.9	13.4	15.8	143.8	
1923	8.3	5.0	45.9	33.8	2.5	20.3	14.3	17.0	147.0	
1924	8.9	5.8	52.6	33.0	2.4	20.6	15.9	16.4	155.4	
1925	9.5	5.7	55.2	34.5	2.5	20.9	16.3	16.8	161.4	
1926	9.8	5.9	58.7	36.5	2.7	21.6	16.8	17.8	169.7	
1927	10.5	5.9	63.0	42.1	2.5	21.7	16.9	18.1	181.5	
1928	10.6	5.6	61.7	38.2	2.3	23.2	16.4	19.1	177.9	
1929	10.0	5.6	62.1	38.3	2.3	22.6	15.3	19.2	175.9	
1930	8.5	5.4	54.6	34.0	2.2	21.8	12.9	16.1	158.3	
1931	4.8	5.0	41.4	8.4	19.0	2.8	20.1	7.0	159	124.4
1932	4.0	5.1	39.0	10.0	19.7	3.3	20.1	6.4	159	123.4
1933	4.9	5.4	43.9	10.8	21.3	3.6	20.8	8.0	168	135.5
1934	6.8	5.6	49.8	11.3	23.8	3.7	21.9	9.6	183	151.0
1935	8.9	6.1	57.8	11.9	27.0	3.9	23.5	12.1	205	171.9
1936	9.9	6.6	66.3	13.6	28.6	4.1	24.5	14.3	220	189.9
1937	11.1	7.3	73.5	13.9	30.1	4.2	26.0	15.7	235	205.4
1938	12.3	8.0	81.5	14.7	31.4	4.1	27.6	16.4	257	221.7
1939	12.8	8.2	82.4	15.1	32.0	4.3	28.5	16.1	261	225.6
1940	12.4	8.7	86.8	16.8	32.6	4.8	29.3	15.7	266	233.8
1941	13.3	9.8	105.6	19.7	33.9	5.6	30.6	16.9	272	262.5

Year 30 June	Non- metal mining	Chem- cal	Metals	Textiles	Clothing	Leather	Food	Wood	Other	Total
53	54	55	56	57	58	59	60	61	62	
'000	'000	'000	'000	'000	'000	'000	'000	'000	'000	'000
1942	12.8	10.6	132.4	21.1	34.4	5.6	32.1	17.5	28.3	294.8
1943	9.8	11.3	158.1	21.4	31.6	5.4	32.2	16.0	25.9	311.8
1944	9.2	11.8	163.0	20.4	32.2	6.0	33.7	16.7	26.3	319.3
1945	9.8	12.2	151.1	19.4	34.7	5.9	34.1	16.9	26.8	310.9
1946	11.8	13.2	136.6	18.3	37.6	6.4	35.5	18.5	28.8	306.7
1947	14.6	14.3	143.6	20.7	44.5	6.8	36.6	21.5	35.9	338.6
1948	15.8	14.9	153.4	21.7	46.7	6.4	37.6	24.1	37.8	358.4
1949	16.9	16.0	156.8	22.8	49.2	6.5	38.9	26.2	39.8	373.2
1950	17.3	16.3	158.0	23.4	48.1	6.4	40.0	26.7	40.9	377.0
1951	18.7	17.4	172.3	25.3	49.9	6.3	40.3	28.3	43.0	401.5
1952	19.0	17.4	176.7	23.2	47.0	5.5	39.9	29.1	42.3	400.0
1953	17.5	15.8	168.3	21.7	42.0	5.4	38.1	26.8	38.2	373.8
1954	18.6	17.2	176.5	24.3	44.9	5.7	38.6	27.8	42.4	395.9
1955	19.8	18.4	187.5	23.9	45.4	5.6	38.9	28.6	44.6	412.9
1956	19.6	19.9	197.7	23.3	45.1	5.6	39.4	29.0	46.6	426.3
1957	19.2	20.6	201.2	23.2	43.9	5.4	38.8	28.2	48.9	429.4
1958	19.9	21.4	209.6	22.2	43.7	5.3	38.7	28.8	49.2	438.8
1959	20.3	22.0	212.5	21.6	43.4	5.4	38.5	29.1	50.0	442.6
1960	21.1	23.0	223.5	22.3	44.6	5.5	39.1	29.8	51.7	460.7
1961	21.9	23.1	226.8	21.8	44.9	5.3	39.7	29.7	53.1	466.3
1962	21.8	22.7	221.7	20.2	43.5	5.2	40.2	28.1	52.1	455.4
1963	22.2	23.2	230.3	21.2	44.6	5.2	41.0	27.8	54.2	469.7
1964	22.4	24.0	239.5	21.3	44.8	5.2	41.3	27.8	56.1	482.3
1965	23.3	25.2	252.7	21.7	45.5	5.3	42.1	28.8	59.1	503.7
1966	23.3	26.0	259.5	21.5	45.9	5.1	43.5	29.1	60.3	514.3
1967	23.2	26.8	263.8	20.3	45.7	5.0	44.0	28.9	61.4	519.0
1968	23.6	27.3	267.9	21.0	44.4	5.1	44.3	29.4	63.0	526.1
1969	21.1	30.8	237.4	20.2	44.3	4.1	62.1	27.7	64.1	511.8
1970	22.6	31.3	247.7	20.3	44.8	4.4	64.6	29.1	67.4	532.2
1971	..	..	..	..	..	..	..	..	..	..
1972	21.8	32.1	239.6	17.6	41.6	3.8	66.4	27.3	66.8	516.9
1973	21.8	32.0	231.1	16.3	37.8	3.4	66.0	27.9	67.3	503.6
1974	22.4	32.8	239.4	16.3	37.1	3.3	66.1	28.5	70.4	516.2
1975	20.6	31.4	226.5	13.3	30.3	2.8	63.6	25.7	64.0	478.2
1976	18.6	29.5	211.3	13.0	29.1	2.6	63.4	25.8	60.8	454.3
1977	17.3	29.3	203.4	11.5	27.1	2.4	63.0	25.2	59.6	438.9
1978	16.8	29.8	196.4	10.9	26.9	2.4	62.6	24.4	58.6	429.0
1979	16.3	29.9	201.1	10.9	26.4	2.2	61.2	25.4	59.6	433.2
1980	16.8	30.2	202.4	10.8	26.3	2.2	60.2	26.7	60.8	436.4
1981	17.0	29.5	205.6	10.8	25.0	2.1	58.7	26.7	60.6	436.0
1982	16.7	29.6	204.4	10.3	24.1	1.9	56.3	27.1	61.4	431.8

NOTE In 1969 census units underwent major redefinition.

MANF 63-72 TOTAL EMPLOYMENT IN MANUFACTURING BY INDUSTRIAL SUBDIVISION, VICTORIA 1901-1982

Year 31 Dec	Non- metal mining	Chem- ical	Metals	Textiles	Clothing	Leather	Food	Wood	Other	Total
63	64	65	66	67	68	69	70	71	72	
'000	'000	'000	'000	'000	'000	'000	'000	'000	'000	'000
1901	2.7	1.1	12.4	21.9	1.4	15.2	4.8	6.9	66.4	
1902	2.0	1.0	9.8	22.0	2.7	10.4	5.1	7.1	60.0	
1903	3.1	2.1	13.4	26.7	1.5	11.7	5.7	8.0	72.2	
1904	2.9	2.0	14.3	28.6	1.4	11.7	5.6	8.6	75.0	
1905	3.0	1.2	15.0	30.0	1.6	12.3	6.0	8.7	78.8	
1906	3.2	2.2	16.7	31.3	1.6	13.0	6.4	9.0	83.0	
1907	3.4	2.4	19.0	33.6	1.9	13.9	7.0	9.6	89.6	
1908	3.6	2.5	17.5	35.1	2.0	14.3	7.2	9.7	91.9	
1909	3.3	2.6	18.3	36.7	2.0	14.4	7.8	10.2	95.3	
1910	3.5	2.7	20.1	37.7	2.1	14.4	8.6	10.6	99.8	
1911	3.8	3.0	22.8	33.2	2.2	15.6	9.8	11.7	102.1	
1912	4.2	3.4	25.1	40.2	2.2	15.4	10.5	12.0	113.1	
1913	4.1	3.7	25.8	40.4	2.0	16.3	10.9	12.1	115.3	
1914	4.3	3.8	25.4	39.9	2.0	16.5	10.5	12.4	114.7	
1915	3.8	4.1	24.9	38.5	2.3	14.7	9.1	12.4	109.8	
30 June										
1917	3.5	4.7	22.2	41.7	2.3	16.3	9.1	12.9	112.8	
1918	3.9	4.4	21.5	40.9	2.6	18.0	9.8	13.1	114.1	
1919	4.4	4.2	22.2	40.5	2.5	20.1	10.7	13.4	118.1	
1920	4.8	4.6	26.0	45.5	3.2	21.6	12.5	13.9	132.1	
1921	5.5	4.4	30.5	45.1	3.2	18.6	13.4	15.3	136.0	
1922	5.4	4.5	29.9	49.5	3.5	19.0	13.3	14.8	139.8	
1923	6.1	4.3	30.7	52.5	3.6	20.2	14.3	15.7	147.3	
1924	6.6	4.5	33.3	50.7	3.6	20.2	16.0	16.2	151.2	
1925	6.2	4.5	32.8	49.8	3.3	20.6	15.5	16.0	148.7	
1926	6.0	4.5	34.6	50.4	3.4	20.1	14.7	16.3	149.9	
1927	6.1	4.7	37.2	55.3	3.2	20.1	14.6	16.6	158.7	
1928	5.8	4.0	36.1	54.1	2.8	22.6	13.5	17.5	157.3	
1929	5.6	3.9	35.9	54.2	2.7	21.7	11.4	17.1	153.5	
1930	5.1	3.6	33.5	53.4	2.7	21.5	10.6	14.1	147.8	
1931	3.3	4.7	26.2	14.7	30.2	2.7	20.0	7.2	150	124.0
1932	3.1	4.9	24.2	17.2	31.5	3.3	20.1	6.8	153	126.3
1933	3.8	5.0	28.8	20.2	34.6	3.9	21.0	8.0	160	142.5
1934	4.7	5.4	32.2	21.5	36.4	4.4	22.0	9.2	185	154.3
1935	5.4	6.2	37.5	22.1	38.1	4.4	23.2	10.7	199	167.6
1936	6.2	6.9	43.6	24.2	38.9	4.7	24.4	11.6	207	181.2
1937	6.9	7.3	48.2	25.5	37.9	4.9	25.9	11.8	208	189.3
1938	7.5	7.9	52.6	26.5	39.2	4.6	27.0	12.6	219	199.8
1939	7.8	8.5	51.9	26.8	39.0	4.6	27.0	12.3	219	199.6
1940	7.4	11.8	54.0	29.4	39.4	4.7	28.1	12.7	227	210.1
1941	7.8	18.1	66.6	31.3	39.4	4.9	30.0	13.6	236	235.3
1942	6.9	25.0	82.0	31.3	38.2	4.6	31.1	13.2	238	256.0
1943	4.6	25.6	99.2	29.1	33.7	4.5	30.5	11.4	21.3	259.9
1944	4.4	18.4	102.6	29.9	33.4	4.5	32.6	11.4	21.6	258.8
1945	4.7	15.2	97.0	29.7	35.9	4.4	34.0	11.6	22.5	255.0
1946	6.2	12.0	88.4	29.9	38.6	4.9	33.8	13.9	25.6	253.2
1947	7.6	11.4	83.4	31.9	42.9	5.6	35.4	15.8	28.8	262.6
1948	8.4	11.0	89.8	32.8	44.5	5.5	35.7	16.9	30.4	275.0
1949	9.0	11.2	94.2	34.1	47.3	5.6	36.6	18.5	31.9	288.1
1950	9.6	11.6	98.9	34.3	48.1	5.8	38.6	19.3	33.8	299.9
1951	10.3	12.6	105.4	35.3	49.2	5.6	38.8	20.8	35.0	313.0
1952	10.9	14.1	112.6	33.4	47.5	5.3	39.5	21.5	35.4	320.2
1953	10.3	13.8	109.7	32.1	43.9	5.3	38.1	20.2	33.1	306.7
1954	11.2	14.1	116.8	37.8	47.2	5.4	37.7	20.7	36.3	327.1
1955	11.8	15.4	125.3	37.5	47.6	5.5	39.5	21.4	38.3	342.3
1956	12.4	16.6	132.3	36.9	46.9	4.9	38.4	21.7	40.6	350.7
1957	12.0	16.7	131.3	37.9	47.1	4.7	37.5	21.4	41.7	350.4
1958	12.0	17.0	134.2	38.1	45.8	4.6	37.3	21.4	41.9	352.3
1959	12.4	17.4	139.1	37.5	45.8	4.6	37.4	21.6	42.3	358.0
1960	13.0	16.2	150.8	41.1	45.3	4.4	38.8	22.3	44.6	376.5
1961	13.5	15.5	157.2	40.4	45.5	4.0	38.4	21.9	46.2	382.5
1962	13.5	15.8	151.3	39.1	44.7	3.8	39.0	20.7	44.9	372.7
1963	14.2	16.1	162.0	41.9	46.8	4.0	39.4	21.0	47.0	392.4
1964	14.8	16.4	171.7	42.7	47.2	4.0	40.8	21.1	49.7	408.4
1965	15.1	17.3	183.7	43.8	47.6	3.8	42.1	21.6	52.3	427.4
1966	15.4	17.7	186.0	43.3	48.4	3.8	43.6	21.9	53.8	433.9
1967	15.4	18.2	189.2	43.3	48.6	3.7	44.1	22.5	55.2	440.3
1968	15.2	17.9	192.1	43.1	49.0	3.7	44.2	22.9	57.0	445.1
1969	13.9	21.9	164.4	28.6	64.0	2.8	57.1	19.8	59.2	431.7
1970	14.0	22.9	172.4	29.0	64.3	2.7	60.1	19.6	60.7	445.7
1971	13.8	22.6	175.4	28.6	61.8	2.4	62.8	20.3	62.4	450.0
1972	14.6	22.6	178.5	28.4	60.9	2.1	63.9	20.3	63.8	455.0
1973	15.7	23.2	188.5	29.3	60.1	2.3	63.7	20.9	66.2	469.8
1974	14.0	21.7	181.3	22.9	49.2	1.8	60.8	19.2	61.8	432.8
1975	13.5	20.2	171.5	23.8	49.4	1.7	59.2	19.3	58.5	417.1
1976	13.6	20.5	169.3	21.1	46.8	1.4	58.4	19.6	59.1	409.2
1977	12.9	21.2	161.9	19.5	45.0	1.2	58.2	19.1	57.9	396.5
1978	12.7	21.6	164.0	19.0	45.0	1.2	55.2	18.4	58.2	394.9
1979	13.0	19.8	165.5	20.2	44.2	1.2	54.5	19.1	59.8	397.3
1980	12.5	20.0	160.3	19.7	43.6	1.4	55.3	19.6	59.1	391.5
1981	12.5	20.3	164.0	19.2	43.6	1.5	53.1	20.1	59.5	392.7

NOTE In 1969 census units underwent major redefinition.

MANF 73-82 TOTAL EMPLOYMENT IN MANUFACTURING BY INDUSTRIAL SUBDIVISION, QUEENSLAND 1901-1982

Year 30 June	Non- metal mining	Chem- cal	Metals	Textiles	Clothing	Leather	Food	Wood	Other	Total
73	74	75	76	77	78	79	80	81	82	
'000	'000	'000	'000	'000	'000	'000	'000	'000	'000	'000
1942	1.6	1.6	17.9	1.6	7.0	1.1	17.0	8.8	4.4	61.0
1943	1.3	3.0	20.1	1.7	6.6	1.1	18.0	7.9	3.8	63.4
1944	1.2	0.9	23.2	1.5	6.2	1.0	17.9	7.8	3.9	63.7
1945	1.2	0.9	21.8	1.4	6.2	1.0	18.6	7.9	4.1	63.1
1946	1.5	1.0	21.6	1.3	6.6	1.2	17.8	8.7	4.7	64.3
1947	2.1	1.1	22.7	1.4	7.4	1.3	18.5	10.5	5.5	70.4
1948	2.4	1.1	24.2	1.5	7.8	1.3	20.1	11.4	5.8	75.6
1949	2.5	1.3	26.2	1.7	8.6	1.3	21.5	12.4	6.1	81.6
1950	2.5	1.3	28.7	1.9	9.4	1.4	22.8	13.1	6.3	87.6
1951	2.7	1.4	31.5	2.0	10.0	1.4	23.6	13.8	6.8	93.1
1952	2.8	1.4	32.9	1.8	9.6	1.2	21.6	14.3	7.2	92.9
1953	2.7	1.5	31.6	1.7	8.7	1.2	24.0	13.3	6.8	91.5
1954	2.7	1.5	32.7	2.1	9.1	1.3	25.9	13.7	7.3	96.4
1955	3.1	1.7	33.8	2.1	8.8	1.3	26.3	13.8	6.0	96.9
1956	3.1	1.8	35.2	2.1	8.6	1.3	26.7	13.7	6.2	98.8
1957	3.1	1.8	36.5	2.1	8.5	1.3	26.4	13.6	6.3	99.7
1958	3.2	1.8	36.3	2.2	8.1	1.3	25.4	13.4	8.3	99.8
1959	3.2	1.8	37.0	2.1	7.8	1.2	27.4	13.5	8.7	102.8
1960	3.4	1.8	37.8	2.3	7.7	1.2	26.0	13.7	8.9	102.7
1961	3.7	1.8	38.4	2.2	7.7	1.2	25.7	12.9	9.0	102.5
1962	3.5	1.8	37.2	2.1	7.5	1.2	25.9	11.6	8.8	99.7
1963	3.7	1.8	38.4	2.2	7.8	1.2	27.1	12.0	9.4	103.6
1964	4.1	1.7	41.4	2.3	7.9	1.2	28.3	12.5	9.9	109.4
1965	4.5	1.8	44.4	2.4	8.1	1.2	29.5	12.6	10.2	114.7
1966	4.6	2.2	45.5	2.2	8.0	1.2	28.9	12.6	10.4	115.6
1967	4.7	2.4	45.9	2.1	8.2	1.0	28.4	12.4	10.7	115.8
1968	5.1	2.4	47.7	2.2	8.5	1.1	28.4	12.3	11.1	118.7
1969	5.7	3.0	35.8	2.2	7.3	1.1	31.1	12.9	11.0	110.2
1970	5.6	3.4	35.1	2.3	6.9	..	31.9	12.7	12.7	110.5
1971	..	..	..	..	..	..	..	..	..	..
1972	5.5	3.2	37.0	2.0	6.4	1.0	33.9	12.7	12.6	114.4
1973	6.1	3.4	37.8	2.0	6.3	0.8	33.9	13.0	12.9	116.3
1974	6.4	3.5	39.2	1.9	6.1	0.7	34.0	13.3	13.4	118.6
1975	5.9	3.4	38.8	1.4	4.8	0.7	33.1	11.8	12.5	112.4
1976	5.7	3.4	39.5	1.4	4.4	0.7	35.1	11.5	12.5	114.2
1977	6.1	1.3	38.2	1.2	4.2	0.6	35.4	11.3	12.4	110.9
1978	6.1	2.9	38.2	1.3	4.2	..	36.1	11.2	13.0	113.0
1979	6.2	3.0	40.2	1.3	4.0	0.6	35.2	11.7	13.3	115.6
1980	6.2	3.0	40.2	1.3	4.0	0.6	35.2	11.7	13.3	115.6
1981	6.7	3.1	41.8	1.3	4.0	0.6	32.9	12.7	13.1	116.1
1982	7.0	3.3	45.9	1.2	3.8	0.6	33.4	13.1	14.3	122.7

Year 31 Dec	Non- metal mining	Chem- cal	Metals	Textiles	Clothing	Leather	Food	Wood	Other	Total	
73	74	75	76	77	78	79	80	81	82		
'000	'000	'000	'000	'000	'000	'000	'000	'000	'000	'000	
1901	0.5	0.2	4.6	3.3	0.3	4.0	2.9	1.9	17.8		
1902	0.5	0.2	4.6	3.1	0.3	4.0	2.9	2.2	17.8		
1903	0.4	0.2	4.2	4.1	0.2	5.0	2.7	2.1	18.9		
1904	0.4	0.2	4.0	3.9	0.2	5.9	2.9	2.2	19.7		
1905	0.4	0.2	4.8	4.1	0.3	6.5	2.8	2.2	21.3		
1906	0.4	0.2	5.7	4.7	0.3	7.9	3.3	2.5	25.1		
1907	0.5	0.2	5.9	5.5	0.3	9.5	3.9	2.5	28.4		
1908	0.4	0.3	6.7	5.2	0.3	9.2	4.4	2.6	29.1		
1909	0.5	0.3	6.5	5.4	0.2	8.9	4.5	2.8	29.0		
1910	0.5	0.3	7.1	7.9	0.3	9.8	4.8	2.9	33.5		
1911	0.6	0.3	7.9	8.2	0.3	10.6	4.8	3.1	35.7		
1912	0.6	0.3	9.0	9.4	0.3	11.5	6.9	3.2	40.3		
1913	0.7	0.3	8.9	8.4	0.3	13.0	6.7	3.3	41.6		
1914	0.7	0.3	8.7	8.2	0.3	14.6	6.5	3.3	42.5		
1915	0.6	0.3	8.7	8.0	0.3	13.8	6.2	3.4	41.4		
1916	0.5	0.3	7.8	7.9	0.3	13.6	5.5	3.3	39.2		
1917	0.4	0.3	7.0	7.7	0.3	15.2	5.3	3.3	39.6		
1918	0.8	0.2	7.2	7.4	0.4	15.0	5.6	3.3	40.9		
1919	0.8	0.3	8.4	7.1	0.3	13.3	6.1	3.5	39.9		
1920	0.9	0.4	9.1	7.1	0.5	13.7	6.8	3.5	42.1		
1921	0.8	0.4	8.0	7.2	0.5	14.5	6.2	3.5	41.2		
1922	0.8	0.4	8.3	8.1	0.5	13.8	6.6	3.8	42.3		
1923	1.0	0.4	8.8	8.3	0.5	13.9	7.2	3.7	43.7		
30 June											
1925	1.0	0.5	10.1	7.6	0.5	16.2	7.4	4.3	47.6		
1926	1.0	0.5	10.8	7.6	0.5	16.7	7.5	4.3	49.0		
1927	1.0	0.5	9.9	7.3	0.6	15.5	7.4	4.0	46.5		
1928	1.0	0.4	9.7	7.3	0.5	16.1	6.9	4.2	46.0		
1929	0.9	0.4	9.4	7.3	0.5	14.4	6.6	4.2	43.5		
1930	0.8	0.4	8.8	6.5	0.4	14.0	6.0	4.6	41.5		
1931	0.7	0.4	7.3	0.8	0.5	13.1	4.6	4.3	36.8		
1932	0.7	0.3	6.4	0.9	0.7	0.6	12.9	4.1	4.2	34.8	
1933	0.8	0.3	6.8	1.0	0.6	13.1	4.4	4.3	36.4		
1934	0.9	0.5	7.5	1.1	0.5	0.6	13.3	5.2	4.5	39.0	
1935	1.1	0.5	9.1	1.0	0.9	0.7	12.6	6.3	4.6	41.9	
1936	1.3	0.6	10.4	0.9	0.9	12.6	6.9	4.5	44.1		
1937	1.5	0.6	11.5	0.9	0.9	13.6	7.6	4.7	47.5		
1938	1.6	0.6	12.9	1.0	0.5	0.9	14.4	8.7	4.8	51.4	
1939	1.7	0.6	13.6	1.0	0.7	0.9	15.3	8.6	4.8	53.3	
1940	1.7	0.6	13.9	1.1	0.9	1.0	15.8	8.8	4.9	54.7	
1941	1.7	0.6	15.0	1.3	0.6	1.1	16.4	9.0	4.7	56.4	

NOTE In 1969 census units underwent major redefinition.

MANF 83-92 TOTAL EMPLOYMENT IN MANUFACTURING BY INDUSTRIAL SUBDIVISION, SOUTH AUSTRALIA 1901-1982

Year 31 Dec	Non- metal mining	Chem- cal	Metals	Textiles	Clothing	Leather	Food	Wood	Other	Total
83	84	85	86	87	88	89	90	91	92	
'000	'000	'000	'000	'000	'000	'000	'000	'000	'000	'000
1901	0.6	0.4	7.0	3.7	0.0	2.1	1.3	2.3	17.4	
1902	0.5	0.4	7.9	4.4	0.0	2.1	1.1	2.3	18.7	
1903	0.5	0.5	8.8	4.7	0.0	3.1	1.0	2.9	21.5	
1904	0.6	0.5	7.6	4.9	0.3	3.0	1.2	1.4	19.5	
1905	0.4	0.5	6.5	4.1	0.3	2.8	0.8	1.6	17.0	
1906	0.5	0.6	7.6	4.0	0.3	2.9	1.1	1.6	18.7	
1907	0.5	0.6	8.0	4.1	0.3	3.4	1.4	1.7	20.1	
1908	0.9	0.7	8.5	5.0	0.3	4.0	2.2	2.1	23.7	
1909	1.1	0.9	8.7	5.4	0.3	4.1	2.5	2.2	25.2	
1910	1.1	1.0	9.7	5.5	0.3	4.0	2.7	2.2	26.4	
1911	1.3	1.0	9.8	5.5	0.3	4.1	3.0	2.2	27.2	
1912	1.3	1.0	10.0	5.5	0.2	4.2	3.1	2.3	27.7	
1913	1.5	0.9	10.0	5.3	0.3	4.2	3.1	2.3	27.6	
1914	1.4	0.9	9.5	4.8	0.2	4.3	2.6	2.2	25.9	
1915	1.2	1.0	9.5	4.7	0.2	3.7	2.2	2.2	24.6	
30 June										
1917	1.0	1.0	9.9	4.9	0.3	3.8	2.0	2.2	25.0	
1918	1.1	1.0	9.8	4.9	0.2	4.0	2.2	1.7	25.1	
1919	1.3	1.1	10.1	5.1	0.3	4.5	2.3	2.3	27.0	
1920	1.7	1.2	9.8	5.5	0.3	4.8	2.6	2.6	28.4	
1921	2.1	1.2	10.6	5.4	0.3	4.4	2.7	2.6	29.2	
1922	1.9	1.2	11.1	5.6	0.3	4.5	2.6	2.7	29.9	
1923	2.1	1.2	13.1	6.0	0.3	4.8	2.9	2.9	33.2	
1924	2.2	1.3	14.9	6.0	0.3	4.7	3.6	2.7	35.7	
1925	2.2	1.3	15.7	5.8	0.3	4.9	3.6	2.8	36.6	
1926	2.3	1.4	16.4	5.8	0.3	5.4	3.8	2.7	38.2	
1927	2.4	1.5	17.8	5.9	0.3	5.4	4.1	2.8	40.2	
1928	2.2	1.6	15.8	5.7	0.3	5.9	3.7	2.8	38.0	
1929	1.5	1.5	15.2	5.2	0.3	5.3	2.9	2.7	34.7	
1930	1.2	1.4	12.7	4.7	0.3	5.1	2.5	2.5	30.3	
1931	0.6	1.1	8.3	0.6	3.1	4.5	1.4	2.4	22.3	
1932	0.5	1.1	7.6	0.7	3.3	4.4	1.6	2.3	22.3	
1933	0.7	1.1	9.1	0.9	3.6	0.5	4.8	1.7	24.8	
1934	0.9	1.1	11.3	1.0	3.8	0.4	4.9	2.0	25.7	
1935	1.1	1.2	13.9	1.1	3.9	0.4	5.4	2.2	31.8	
1936	1.4	1.4	16.6	1.2	4.4	0.4	5.7	2.7	36.5	
1937	1.5	1.4	18.2	1.2	4.5	0.4	5.8	2.9	38.6	
1938	1.7	1.5	20.2	1.2	4.6	0.4	6.3	3.0	41.8	
1939	1.8	1.5	18.7	1.3	4.7	0.5	6.4	3.2	41.0	
1940	1.9	1.7	18.8	1.5	5.1	0.5	6.9	3.3	42.6	
1941	2.1	3.0	23.0	2.3	5.4	0.5	7.1	3.4	50.0	
Year 30 June										
83	84	85	86	87	88	89	90	91	92	
'000	'000	'000	'000	'000	'000	'000	'000	'000	'000	'000
1942	2.0	8.9	31.2	2.6	5.4	0.6	7.3	3.3	3.0	64.3
1943	1.5	13.2	34.3	3.1	5.0	0.5	7.9	3.1	3.2	71.8
1944	1.4	10.4	33.4	3.2	5.1	0.4	8.6	3.1	3.0	68.6
1945	1.5	6.7	31.5	3.2	5.6	0.5	8.8	3.3	3.2	64.4
1946	2.1	3.8	29.4	2.3	6.1	1.3	9.2	4.0	3.7	62.0
1947	2.5	2.9	33.9	2.6	7.0	1.5	9.9	4.8	4.4	69.4
1948	2.7	3.0	35.2	2.6	7.2	1.5	10.2	5.0	4.7	71.9
1949	2.8	3.2	36.3	2.7	7.3	1.4	10.6	5.1	4.9	74.4
1950	3.2	3.4	37.4	2.5	7.3	1.5	10.8	5.6	5.2	76.9
1951	3.4	3.0	41.4	2.6	7.2	1.4	10.7	6.1	5.5	81.4
1952	3.5	3.1	43.1	2.4	6.7	1.3	10.8	6.1	5.4	82.3
1953	3.6	3.0	41.8	1.8	5.9	1.3	10.2	6.2	5.0	78.8
1954	3.7	3.0	45.2	2.1	5.9	1.4	10.6	6.4	5.6	83.8
1955	3.8	3.1	48.3	2.3	5.9	1.3	10.6	6.6	5.0	86.9
1956	4.1	3.2	50.7	2.5	5.5	1.3	10.8	6.8	5.1	90.0
1957	4.1	3.3	49.8	2.7	5.3	1.3	11.0	6.8	5.1	89.3
1958	4.1	3.2	50.2	2.6	5.1	1.3	11.0	6.9	6.4	90.9
1959	4.2	3.2	51.9	2.6	5.0	1.2	10.8	7.0	6.6	92.6
1960	4.5	3.1	55.8	2.5	5.1	1.2	10.8	7.5	7.0	97.4
1961	4.6	3.0	56.4	2.5	5.1	1.1	10.9	7.3	7.2	98.2
1962	4.3	2.9	55.2	2.5	5.1	1.1	11.4	7.3	6.3	96.2
1963	4.5	2.9	60.5	2.5	5.1	1.2	11.2	7.5	7.9	103.3
1964	4.5	3.2	64.5	2.5	5.3	1.2	11.6	7.8	8.2	108.9
1965	4.6	3.2	68.5	2.7	5.5	1.0	11.9	8.0	8.7	114.2
1966	4.6	3.3	69.6	2.8	5.4	1.0	12.3	8.2	9.3	116.6
1967	4.4	3.3	69.3	2.8	5.4	1.0	12.3	8.0	10.0	116.4
1968	4.3	3.3	72.6	2.8	5.2	1.0	12.3	7.8	10.4	119.6
1969	3.9	3.4	65.2	3.0	4.1	0.4	15.4	7.1	10.6	113.1
1970	4.0	3.4	68.3	3.1	4.2	0.4	16.3	7.6	11.2	118.4
1971	..	..	..	..	..	..	..	..	..	..
1972	4.1	3.0	68.9	2.7	4.3	0.5	17.8	8.1	12.2	121.6
1973	4.1	3.0	67.9	2.6	4.4	0.6	18.0	8.3	12.6	121.4
1974	4.3	3.0	72.0	2.6	4.5	0.6	18.6	9.0	13.5	128.2
1975	4.2	2.8	67.9	2.4	4.1	0.5	18.1	8.7	12.6	121.2
1976	4.2	2.7	62.6	2.6	4.3	0.6	17.9	8.9	12.3	116.1
1977	4.4	2.8	61.7	2.3	4.1	0.5	18.1	9.0	12.4	115.4
1978	4.1	2.8	57.3	2.5	3.6	..	18.2	8.5	13.0	111.0
1979	3.6	2.8	55.3	2.6	3.7	0.2	17.0	7.9	13.1	106.3
1980	3.6	3.0	55.3	2.7	3.8	..	17.0	8.1	13.6	107.0
1981	3.6	2.9	52.9	2.6	4.2	0.5	17.2	7.8	13.1	104.8
1982	3.4	2.8	52.9	2.7	4.2	0.5	17.1	7.7	13.5	104.9

NOTE In 1969 census units underwent major redefinition.

MANF 93-102 TOTAL EMPLOYMENT IN MANUFACTURING BY INDUSTRIAL SUBDIVISION, TASMANIA 1901-1982

Year 31 Dec	Non- metal mining	Chem- cal	Metals	Textiles	Clothing	Leather	Food	Wood	Other	Total
93	94	95	96	97	98	99	100	101	102	
'000	'000	'000	'000	'000	'000	'000	'000	'000	'000	'000
1901	0.3	0.1	2.0	0.7	0.1	1.1	1.2	0.6	6.1	
1902	0.3	0.1	2.0	1.7	0.1	1.5	1.2	0.6	7.5	
1903	0.2	0.1	2.1	1.5	0.1	1.6	1.3	0.6	7.6	
1904	0.3	0.1	2.4	1.6	0.1	1.4	1.5	0.8	8.0	
1905	0.3	0.1	2.8	1.6	0.1	1.3	1.5	0.6	8.0	
1906	0.2	0.0	2.3	1.6	0.1	1.2	2.0	0.7	8.1	
1907	0.2	0.1	2.4	1.5	0.1	1.3	1.7	0.6	7.9	
1908	0.2	0.1	2.6	1.5	0.1	1.4	1.8	0.8	8.4	
1909	0.2	0.1	3.0	1.7	0.1	1.5	1.7	0.7	9.0	
1910	0.2	0.1	2.5	1.9	0.1	1.7	2.0	0.8	9.3	
1911	0.2	0.1	2.8	1.7	0.1	1.8	2.4	0.8	9.9	
1912	0.2	0.4	2.6	1.7	0.1	1.7	2.1	0.8	9.6	
1913	0.2	0.4	2.6	1.6	0.1	1.6	2.1	0.8	9.4	
1914	0.3	0.4	2.0	1.5	0.1	1.6	1.9	0.8	8.5	
1915	0.2	0.4	1.8	1.4	0.1	1.8	1.7	0.8	8.1	
1916	0.2	0.3	1.7	1.3	0.1	2.0	1.7	0.8	8.0	
1917	0.2	0.2	1.7	1.3	0.1	2.0	1.7	0.8	7.8	
1918	0.2	0.0	1.9	1.3	0.1	2.1	1.9	0.8	8.4	
1919	0.3	0.1	2.2	1.5	0.1	2.2	2.5	0.9	9.7	
1920	0.3	0.1	2.4	1.4	0.1	2.2	2.6	0.9	9.9	
1921	0.3	0.1	2.3	1.6	0.1	1.8	2.6	0.9	9.6	
1922	0.3	0.1	2.3	1.7	0.1	2.4	2.1	1.0	9.8	
30 June										
1924	0.5	0.1	2.5	1.9	0.1	2.6	3.0	1.0	11.7	
1925	0.5	0.1	2.6	1.8	0.1	2.3	2.5	0.8	10.5	
1926	0.4	0.1	2.7	1.9	0.1	2.5	2.4	0.7	10.7	
1927	0.5	0.1	2.7	2.2	0.1	2.5	2.6	0.7	11.3	
1928	0.5	0.1	2.8	2.5	0.1	3.0	2.3	0.8	12.0	
1929	0.4	0.1	2.7	2.2	0.1	2.1	1.7	0.8	10.5	
1930	0.4	0.1	2.7	2.2	0.1	2.2	1.9	1.0	10.5	
1931	0.3	0.1	2.3	1.4	0.6	1.8	1.2	0.9	8.7	
1932	0.3	0.1	2.1	1.5	0.6	1.9	1.2	1.1	8.8	
1933	0.3	0.1	2.1	1.5	0.6	2.1	1.3	0.9	9.1	
1934	0.4	0.1	2.3	1.4	0.6	2.3	1.5	1.0	9.6	
1935	0.4	0.1	2.4	1.4	0.6	2.6	1.7	1.0	10.4	
1936	0.5	0.1	2.7	1.6	0.6	2.7	2.1	1.0	11.4	
1937	0.5	0.1	3.5	1.5	0.6	2.7	2.3	1.0	12.3	
1938	0.6	0.1	3.8	1.5	0.6	3.0	2.4	1.1	13.0	
1939	0.6	0.1	4.0	1.6	0.5	3.0	2.3	1.4	13.7	
1940	0.6	0.1	4.2	1.7	0.5	3.1	2.4	1.7	14.5	
1941	0.6	0.1	4.3	2.3	0.6	3.3	2.4	1.8	15.7	
Year 30 June										
93	94	95	96	97	98	99	100	101	102	
'000	'000	'000	'000	'000	'000	'000	'000	'000	'000	'000
1943	0.5	0.1	5.9	2.8	0.7	0.1	3.5	2.5	2.0	18.2
1944	0.4	0.1	6.9	2.7	0.8	0.2	4.2	2.3	2.0	19.6
1945	0.5	0.1	7.2	1.5	0.8	0.2	4.5	2.4	2.1	19.4
1946	0.6	0.2	5.6	2.4	0.9	0.2	4.3	2.8	2.1	19.0
1947	0.7	0.2	5.8	2.6	0.9	0.2	3.9	3.1	2.4	19.8
1948	0.7	0.2	6.1	2.8	0.9	0.3	4.3	3.4	2.4	21.0
1949	0.9	0.3	6.4	2.9	1.0	0.3	4.5	3.7	2.6	22.4
1950	0.9	0.3	6.9	2.7	1.0	0.5	4.4	3.9	2.8	23.3
1951	1.0	0.3	7.3	2.3	1.0	0.4	4.8	3.7	2.9	23.7
1952	1.1	0.3	7.7	1.9	0.9	0.3	4.8	3.9	3.0	23.8
1953	1.0	0.4	8.1	1.9	0.9	0.2	4.2	3.5	3.0	23.2
1954	1.0	0.4	8.2	2.4	0.9	0.1	4.1	3.6	3.6	24.4
1955	1.1	0.4	8.5	2.4	0.9	0.1	4.1	4.0	3.8	25.3
1956	1.1	0.4	8.9	2.7	0.9	0.1	4.5	4.3	3.9	26.8
1957	1.2	0.7	9.0	2.4	0.8	0.1	4.5	4.0	4.0	27.4
1958	1.1	0.8	9.5	2.9	0.9	0.1	4.6	3.9	4.1	27.8
1959	1.1	0.8	9.5	2.8	0.9	0.1	4.6	4.0	4.4	28.1
1960	1.1	0.8	9.8	3.2	0.9	0.1	4.7	4.3	4.6	29.3
1961	1.2	0.9	10.0	3.3	0.8	0.1	4.7	4.2	4.5	29.7
1962	1.1	0.9	10.0	3.1	0.8	0.1	5.0	4.1	4.4	29.6
1963	1.2	0.9	10.3	3.2	0.7	0.1	5.1	4.1	4.7	30.4
1964	1.2	1.0	10.7	3.4	0.7	0.0	5.1	4.4	5.0	31.5
1965	1.2	1.0	10.9	3.8	0.8	0.1	5.0	4.5	5.0	32.2
1966	1.2	1.0	11.5	3.9	0.7	0.1	5.4	4.7	5.4	33.9
1967	1.2	1.0	11.9	4.0	0.7	0.1	5.4	4.7	5.5	34.4
1968	1.2	0.9	12.2	4.0	0.7	0.1	5.4	4.6	5.7	34.8
1969	1.1	1.4	7.8	3.8	0.4	--	6.4	4.5	5.8	31.1
1970	1.0	1.4	7.8	3.9	0.4	--	6.6	4.7	6.0	31.8
1971	--	--	--	--	--	--	--	--	--	--
1972	1.0	1.5	7.6	3.7	0.3	--	6.0	4.6	6.3	31.0
1973	1.1	1.4	7.4	3.8	0.3	--	5.9	4.7	6.0	30.7
1974	1.2	1.4	7.5	3.7	0.4	--	6.4	4.9	6.1	31.5
1975	1.0	1.3	7.1	2.6	0.3	--	6.1	4.5	5.8	28.8
1976	1.1	1.3	6.5	2.6	0.2	--	6.0	4.6	5.5	27.8
1977	0.9	1.3	6.9	2.3	0.2	--	5.8	4.5	5.8	27.8
1978	0.9	0.0	5.8	2.3	0.2	--	6.1	3.9	5.8	25.1
1979	0.8	0.0	2.5	1.8	0.2	--	6.0	3.6	5.7	20.8
1980	0.8	1.1	6.9	1.8	0.2	--	5.8	3.7	5.9	26.2
1981	0.8	1.0	7.2	1.7	0.2	--	5.8	3.7	6.0	26.5
1982	0.8	1.0	7.1	1.8	0.2	--	5.5	3.6	5.9	25.8

NOTE In 1969 census units underwent major redefinition.

MANF 103-112 TOTAL EMPLOYMENT IN MANUFACTURING BY INDUSTRIAL SUBDIVISION, WESTERN AUSTRALIA 1901-1982

Year 31 Dec	Non- metal mining	Chem- cal	Metals	Textiles	Clothing	Leather	Food	Wood	Other	Total
103	104	105	106	107	108	109	110	111	112	
'000	'000	'000	'000	'000	'000	'000	'000	'000	'000	'000
1901	0.5	0.1	2.8	1.5	0.0	1.4	3.9	1.0	11.3	
1902	0.6	0.1	2.8	1.6	0.1	1.4	3.9	1.0	11.6	
1903	0.7	0.1	2.7	1.7	0.1	1.3	3.9	1.1	11.5	
1904	0.7	0.1	3.1	1.9	0.1	1.3	3.7	1.3	12.3	
1905	0.7	0.1	3.0	1.9	0.1	1.5	3.8	1.4	12.5	
1906	0.5	0.1	3.0	2.1	0.1	1.5	3.9	1.2	12.6	
1907	0.5	0.1	3.0	2.2	0.1	1.4	3.5	1.2	12.1	
1908	0.4	0.1	2.6	2.1	0.1	1.4	4.2	1.2	12.1	
1909	0.4	0.1	2.7	2.3	0.1	1.5	4.2	1.2	12.5	
1910	0.5	0.4	3.1	2.6	0.1	1.6	4.3	1.2	13.8	
1911	0.6	0.3	3.7	2.7	0.1	1.8	5.0	1.3	15.5	
1912	0.6	0.3	3.9	2.6	0.1	1.7	5.4	1.4	16.0	
1913	0.7	0.4	4.1	2.7	0.1	1.8	5.8	1.4	16.9	
1914	0.7	0.5	4.0	2.7	0.1	1.7	6.3	1.3	17.3	
1915	0.5	0.8	3.7	2.3	0.1	1.7	3.9	1.4	14.3	
1916	0.4	0.6	3.3	2.3	0.1	1.7	2.6	1.4	12.4	
1917	0.4	0.4	3.1	2.3	0.1	1.8	2.5	1.3	11.9	
1918	0.4	0.4	3.1	2.1	0.1	2.1	3.1	1.4	12.6	
1919	0.5	0.4	3.4	2.3	0.1	2.7	4.2	1.2	14.8	
1920	0.7	0.5	3.6	2.5	0.1	2.7	5.0	1.5	16.7	
1921	1.0	0.6	3.8	2.4	0.1	2.2	6.1	1.5	17.8	
1922	1.1	0.6	4.0	3.0	0.1	2.6	5.7	1.7	18.7	
1923	1.0	0.6	4.4	3.0	0.2	2.7	6.0	1.5	19.4	
1924	1.5	0.6	5.0	3.1	0.1	3.1	6.9	1.7	21.9	
30 June										
1926	1.2	0.8	5.3	3.2	0.0	3.0	6.7	1.8	21.8	
1927	1.2	0.8	5.6	3.4	0.2	2.8	4.4	1.7	20.0	
1928	1.3	0.7	6.0	3.6	0.2	3.2	4.2	1.8	20.9	
1929	1.3	0.8	6.1	3.5	0.2	2.8	3.9	1.8	20.4	
1930	1.3	0.7	5.6	3.3	0.2	2.8	3.5	1.8	19.2	
1931	0.6	0.5	4.0	0.3	2.2	2.7	2.0	1.7	14.2	
1932	0.5	0.5	3.4	0.4	2.1	2.8	1.5	1.6	12.9	
1933	0.8	0.7	3.8	0.5	2.2	2.9	1.7	1.6	14.3	
1934	0.9	0.6	4.4	0.5	2.2	3.1	2.0	1.7	15.6	
1935	1.0	0.6	4.9	0.5	2.4	3.2	2.4	1.8	17.2	
1936	1.3	0.7	6.0	0.5	2.9	0.3	3.2	2.0	20.4	
1937	1.4	0.8	6.7	0.4	2.9	0.3	3.6	3.7	21.1	
1938	1.4	0.8	7.0	0.4	3.1	0.3	3.6	3.6	21.2	
1939	1.4	0.8	7.0	0.4	3.2	0.3	3.7	3.5	21.4	
1940	1.2	0.8	6.8	0.4	3.2	0.4	3.9	3.3	21.2	
1941	1.3	0.9	6.6	0.5	3.1	0.5	4.0	3.3	22.0	
1942	1.1	0.9	7.8	0.8	3.1	0.5	4.1	3.1	23.3	
1943	0.7	0.9	10.4	0.7	3.1	0.5	4.3	2.9	1.7	25.2
1944	0.7	1.0	11.8	0.9	3.1	0.5	4.6	3.1	1.8	27.4
1945	0.8	1.2	11.7	0.9	3.2	0.5	5.1	3.2	1.8	28.4
1946	1.2	1.4	10.9	0.7	3.6	0.5	5.2	3.7	2.2	29.4
1947	1.7	1.4	11.5	0.6	4.3	0.6	5.6	4.4	2.7	32.8
1948	1.9	1.5	12.4	0.6	4.5	0.6	5.8	4.9	2.7	34.9
1949	2.1	1.5	13.4	0.7	4.7	0.7	6.2	5.2	2.8	37.2
1950	2.3	1.5	14.4	0.8	4.9	0.7	6.2	5.6	3.0	39.5
1951	2.8	1.6	16.0	0.8	5.1	0.7	6.1	6.4	3.1	42.6
1952	3.0	1.8	16.4	0.8	5.0	0.7	6.1	7.0	3.0	43.8
1953	3.2	1.8	16.9	0.8	4.3	0.7	6.0	7.4	2.8	43.8
1954	3.3	1.8	18.2	0.9	4.5	0.7	6.1	7.8	3.0	46.3
1955	3.6	2.3	18.7	0.9	4.1	0.7	6.5	8.1	3.0	47.9
1956	3.5	2.8	19.4	0.9	3.8	0.6	6.6	7.9	3.2	48.3
1957	2.9	2.8	19.5	1.0	3.6	0.6	6.5	7.2	3.2	47.3
1958	3.0	2.7	19.5	1.0	3.4	0.6	6.4	7.1	3.4	47.2
1959	2.9	2.7	19.4	0.9	3.3	0.6	6.7	7.0	3.6	47.1
1960	3.0	2.6	20.5	1.0	3.3	0.6	6.7	7.0	3.7	48.4
1961	3.1	2.7	21.1	0.9	3.2	0.6	7.1	6.9	3.8	49.4
1962	3.1	2.7	21.5	0.9	3.1	0.6	7.1	6.8	4.0	49.8
1963	3.3	2.7	23.2	0.9	3.0	0.6	7.6	6.7	4.2	52.2
1964	3.4	2.8	24.9	0.9	3.0	0.6	7.8	6.8	4.5	54.5
1965	3.5	2.9	26.4	0.8	3.0	0.6	8.0	7.1	4.7	56.9
1966	3.5	2.9	27.7	0.9	3.1	0.6	8.2	7.3	4.9	59.1
1967	3.6	3.0	29.6	0.8	3.2	0.6	8.9	7.5	5.4	62.5
1968	3.9	3.2	31.7	0.8	3.0	0.5	9.4	7.9	5.6	66.0
1969	4.9	3.2	27.3	0.9	2.0	..	12.0	8.0	6.6	59.8
1970	5.2	3.4	23.3	0.9	1.9	..	12.6	8.1	7.2	62.6
1971	..	..	..	..	..	..	..	..	..	..
1972	4.6	3.1	25.1	0.7	1.7	..	13.6	7.8	7.6	64.2
1973	4.8	3.1	23.7	0.7	1.7	..	14.2	8.0	7.9	64.1
1974	4.9	3.2	26.1	0.8	1.8	..	14.3	8.5	8.3	67.9
1975	4.7	3.2	26.3	0.6	1.6	..	14.0	7.8	7.7	65.9
1976	4.8	3.1	26.4	0.6	1.5	..	14.3	7.8	7.3	66.0
1977	5.0	3.1	26.8	0.8	1.5	..	14.3	7.7	7.5	66.7
1978	5.0	3.2	26.6	0.8	1.4	..	13.6	7.5	7.6	65.7
1979	5.1	3.2	26.0	0.8	1.4	..	13.0	7.4	8.2	65.1
1980	5.1	3.2	27.2	0.8	1.5	0.2	12.2	7.4	8.5	66.0
1981	5.0	3.1	29.5	0.8	1.5	..	12.2	7.7	9.0	68.9
1982	5.1	3.2	30.6	0.8	1.6	..	12.0	8.2	9.2	70.8

NOTE: In 1969 census units underwent major redefinition.

MANF 113-122 INVESTMENT IN PLANT AND MACHINERY BY INDUSTRIAL SUBDIVISION, AUSTRALIA 1905-1977

Year 30 June	Non- metal mining	Chem- ical	Metals	Textiles	Clothing	Leather	Food	Wood	Other	Total
113	114	115	116	117	118	119	120	121	122	
\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
1905	0.22	0.14	0.78	0.14	0.14	0.02	1.40	0.12	1.04	4.00
1906	0.22	0.14	0.76	0.24	0.24	0.06	1.20	0.16	0.58	3.62
1907	0.18	0.18	1.18	0.20	0.20	0.08	1.20	0.26	0.82	4.24
1908	0.28	0.24	1.70	0.08	0.08	0.04	1.36	0.40	0.62	4.82
1909	0.38	0.30	1.84	0.24	0.18	0.06	1.74	0.42	0.44	5.62
1910	0.46	0.32	1.44	0.30	0.22	0.06	1.58	0.54	0.62	5.54
1911	0.60	0.48	1.70	0.28	0.28	0.08	1.98	0.90	0.68	6.96
1912	0.56	0.38	2.26	0.26	0.26	0.08	2.06	0.98	0.62	7.50
1913	0.70	0.28	2.58	0.24	0.28	0.08	2.38	0.88	0.76	8.16
1914	0.84	0.48	2.70	0.18	0.24	0.08	3.10	0.70	0.80	9.12
1915	0.56	0.60	2.08	0.16	0.18	0.06	2.70	0.36	0.68	7.40
1916	0.46	0.40	1.88	0.18	0.20	0.06	2.40	0.50	0.62	6.68
1917	0.62	0.34	3.82	0.22	0.26	0.08	3.00	0.62	0.64	9.62
1918	0.74	0.60	4.30	0.32	0.30	0.10	3.06	0.58	0.72	10.76
1919	1.62	0.80	3.84	0.80	0.40	0.16	3.74	0.92	0.92	13.24
1920	1.24	0.92	5.22	1.40	0.80	0.22	3.76	1.28	1.66	16.52
1921	2.32	1.16	7.46	0.72	1.22	0.32	6.00	2.10	2.90	24.20
1922	2.26	0.82	5.82	1.40	1.42	0.22	5.32	1.62	2.58	21.68
1923	1.96	1.02	4.42	1.68	1.00	0.24	7.02	1.22	2.82	21.36
1924	2.52	2.54	6.30	2.08	0.78	0.32	4.38	1.96	2.76	23.64
1925	2.72	0.56	5.86	1.02	0.68	0.16	6.80	1.18	2.70	21.68
1926	1.36	1.46	6.72	0.70	0.64	0.18	8.22	1.34	2.60	23.22
1927	1.82	0.90	5.88	1.52	1.34	0.12	5.36	0.22	2.36	19.52
1928	0.90	1.00	3.38	0.52	0.36	0.00	5.92	0.22	2.30	14.80
1929	1.24	1.28	5.04	-0.06	0.90	0.02	5.14	0.46	1.66	15.68
1930	0.82	1.42	4.12	0.72	0.74	0.34	3.92	0.24	2.18	14.50
1931	1.66	0.80	0.82	0.50	0.14	-0.38	5.34	-0.82	0.50	8.56
1932	0.08	0.78	2.12	0.34	0.48	0.04	2.50	-0.02	0.28	6.58
1933	1.22	0.42	3.96	0.76	0.30	0.04	2.82	0.18	0.40	10.08
1934	1.06	0.48	2.88	0.64	0.56	0.08	3.24	0.64	1.26	10.82
1935	1.38	1.26	4.16	0.60	0.82	0.08	7.62	0.86	1.18	18.00
1936	1.48	0.96	4.76	0.98	0.80	0.14	5.76	0.88	1.84	17.60
1937	1.24	1.46	7.04	1.06	1.30	0.12	3.84	0.68	2.36	19.06
1938	5.00	1.74	8.02	0.72	1.04	0.14	5.36	0.90	3.34	26.26
1939	2.52	1.78	11.02	1.14	0.96	0.10	5.82	1.20	2.22	26.76
1940	1.26	2.24	7.60	1.04	0.92	0.10	5.04	0.78	3.94	22.92
1941	1.28	4.78	13.30	2.74	0.86	0.12	4.38	0.92	3.26	31.64
1942	1.22	5.98	16.06	1.24	0.96	0.18	3.92	1.04	2.14	32.76
1943	0.76	6.52	19.82	1.56	0.80	0.14	3.24	0.72	1.94	35.50
1944	1.14	5.60	17.54	1.56	1.08	0.14	4.72	1.00	1.92	34.28
1945	1.54	5.40	11.98	1.60	1.42	0.24	4.54	1.16	1.94	29.82
1946	1.92	3.42	14.16	2.30	2.14	0.38	6.22	1.80	3.08	33.38
1947	3.06	3.16	18.96	2.96	3.02	0.44	8.58	2.46	6.60	49.22
1948	3.78	4.32	23.00	4.68	4.36	0.48	10.96	3.58	8.72	63.86
1949	5.16	5.66	28.40	6.24	5.04	0.54	13.44	4.04	12.40	80.94
1950	5.24	9.96	30.48	9.52	5.72	0.82	18.88	5.68	16.22	102.52
1951	7.34	11.68	42.36	8.44	7.74	0.92	25.20	7.74	27.34	138.76
1952	11.26	12.44	55.58	7.48	7.20	0.90	31.26	8.60	26.50	161.24
1953	17.04	24.78	61.28	6.00	5.24	0.60	33.68	7.84	19.62	176.10
1954	10.92	36.38	58.38	6.54	8.62	0.70	38.76	7.00	20.54	187.84
1955	12.18	105.46	70.78	6.96	8.82	0.86	38.20	9.38	27.18	279.82
1956	16.08	68.66	84.08	8.00	7.68	0.82	45.88	9.38	30.54	271.12
1957	13.58	32.66	144.46	7.84	6.84	0.68	39.92	9.36	26.92	282.26
1958	18.32	31.68	132.84	9.82	8.50	0.54	40.62	9.38	32.22	283.90
1959	22.00	60.10	123.36	16.20	8.86	0.82	43.44	10.04	35.92	320.74
1960	46.30	40.00	147.14	11.02	10.38	0.74	47.42	12.22	55.56	370.68
1961	41.70	47.20	183.02	14.88	11.76	0.86	53.64	15.74	56.96	425.76
1962	38.06	116.48	207.68	14.02	11.36	1.06	56.76	10.50	44.08	499.90
1963	42.20	80.36	210.30	18.42	13.34	1.16	61.96	11.32	61.08	500.02
1964	35.04	87.44	227.60	11.10	13.42	1.06	67.46	16.32	62.84	522.18
1965	56.56	54.40	267.98	18.30	14.86	1.08	102.62	15.54	81.56	613.00
1966	61.78	93.38	278.14	20.50	17.76	1.02	114.80	14.74	90.46	692.58
1967	54.30	160.92	386.54	18.76	16.28	1.04	98.18	20.82	99.52	856.36
1968	51.90	94.86	325.48	19.86	18.94	1.36	98.62	17.06	91.34	719.50
1969	52.46	95.86	329.02	20.10	19.24	1.40	99.60	17.20	92.32	727.30
1970	60.12	102.30	439.84	27.82	19.82	1.42	108.32	17.52	93.10	870.26
1971	54.22	97.66	560.10	25.46	19.32	1.36	122.20	23.20	102.66	1006.30
1972	47.64	92.12	677.96	22.84	18.48	1.22	135.38	28.80	111.68	1136.22
1973	71.98	112.98	573.26	19.62	17.72	1.64	180.68	40.48	120.58	1138.94
1974	106.12	99.06	515.52	36.60	21.68	2.84	215.08	41.06	129.56	1167.50
1975	106.68	118.36	643.96	29.50	13.84	3.84	238.88	51.02	144.86	1350.94
1976	153.10	155.02	661.52	26.52	18.58	2.90	302.70	67.16	156.00	1543.68
1977	135.84	199.50	711.68	27.48	21.14	3.48	400.10	70.64	207.80	1777.66

NOTE Prices are current prices. In 1969 census units underwent major redefinition.

MANF 123-132 CAPITAL STOCK BY INDUSTRIAL SUBDIVISION, AUSTRALIA 1920-1977

Year 30 June	Non- metal mining	Chem- ical	Metals	Textiles	Clothing	Leather	Food	Wood	Other	Total
123	124	125	126	127	128	129	130	131	132	132
1920	28.85	24.45	126.06	16.52	22.20	5.46	129.65	34.21	55.92	443.27
1921	32.03	26.19	136.86	17.29	24.51	5.91	136.80	37.47	58.20	475.24
1922	35.30	27.45	145.34	19.24	27.45	6.24	143.65	40.05	61.16	505.86
1923	38.03	29.03	151.08	21.54	29.30	6.53	152.77	41.81	64.46	534.51
1924	42.28	34.23	161.85	25.05	30.88	7.14	158.67	45.48	68.40	573.95
1925	47.02	35.15	172.13	26.66	32.31	7.37	169.64	47.59	72.39	610.22
1926	49.10	37.96	183.73	27.59	33.54	7.62	182.88	49.98	76.01	648.38
1927	52.07	39.56	193.75	30.05	36.71	7.75	190.77	50.09	79.18	679.92
1928	53.38	41.39	198.76	30.69	37.20	7.63	199.78	50.17	82.64	701.61
1929	55.27	43.84	207.01	30.21	39.14	7.57	207.19	50.75	85.90	726.85
1930	55.87	46.18	211.73	30.98	40.35	8.20	208.80	50.68	85.77	738.54
1931	57.61	46.93	209.91	30.86	39.26	7.18	212.59	48.56	84.16	737.05
1932	57.09	47.51	208.48	30.63	39.21	6.95	211.68	47.53	81.23	730.28
1933	57.86	47.20	208.00	31.44	39.41	6.83	210.78	46.17	79.38	727.06
1934	58.15	46.81	205.90	31.56	39.72	6.71	209.71	45.62	79.78	723.93
1935	58.45	47.56	206.64	31.29	40.25	6.60	215.24	44.68	79.02	729.71
1936	58.34	47.04	207.13	31.66	40.48	6.46	216.19	42.24	79.18	728.70
1937	58.08	47.85	209.14	32.24	41.89	6.26	213.94	39.24	80.20	728.60
1938	62.46	49.49	211.13	32.32	42.62	6.08	212.77	37.16	82.32	736.35
1939	62.93	50.30	216.89	33.23	43.28	5.90	209.77	36.27	82.58	741.16
1940	63.36	51.69	220.77	34.13	43.66	5.90	209.31	36.26	85.20	750.29
1941	63.58	55.77	230.29	36.55	43.91	5.90	208.42	36.11	86.82	767.36
1942	63.85	61.15	240.88	37.58	44.22	5.99	208.43	36.28	87.76	786.14
1943	63.71	67.39	259.00	38.52	44.37	6.01	208.17	36.31	88.42	811.89
1944	62.77	71.12	272.85	38.64	44.52	5.98	207.89	36.07	88.76	828.61
1945	62.37	73.90	276.19	38.22	44.48	5.94	207.18	35.46	88.06	831.81
1946	61.17	75.16	277.99	39.18	44.51	5.86	204.70	34.53	87.51	830.63
1947	60.63	76.11	284.14	39.54	44.65	5.94	204.07	34.30	88.55	837.93
1948	60.51	77.36	292.89	40.49	45.80	5.97	202.59	35.14	90.16	850.93
1949	59.63	77.16	300.17	41.11	47.17	5.82	204.02	34.69	92.97	862.73

Year 30 June	Non- metal mining	Chem- ical	Metals	Textiles	Clothing	Leather	Food	Wood	Other	Total
123	124	125	126	127	128	129	130	131	132	132
1950	58.30	81.09	308.10	44.31	48.84	6.01	203.82	36.05	96.94	883.48
1951	59.41	84.06	317.64	46.83	51.08	6.17	203.43	37.65	104.75	911.03
1952	60.58	87.48	331.72	47.45	51.56	6.33	207.53	40.84	111.40	944.90
1953	64.55	95.02	350.00	48.82	52.67	6.55	210.97	43.49	114.44	986.51
1954	66.07	104.70	364.65	51.06	54.17	6.73	216.43	45.46	117.66	1026.94
1955	68.62	132.47	384.26	52.24	56.06	6.57	223.26	48.44	123.89	1095.81
1956	71.62	154.85	412.42	53.99	58.40	7.33	232.46	52.55	133.64	1177.26
1957	75.23	163.66	452.71	56.16	59.52	7.45	242.75	55.60	141.74	1254.83
1958	78.30	172.22	491.02	58.16	61.04	7.37	251.01	58.20	150.23	1327.55
1959	82.67	188.05	524.65	62.76	62.70	7.48	259.99	60.41	159.70	1408.41
1960	93.82	197.11	564.78	65.12	63.81	7.71	264.70	62.90	173.02	1492.98
1961	102.51	207.57	610.13	67.84	65.19	7.68	271.38	66.09	185.44	1583.83
1962	111.48	233.09	655.56	70.06	65.77	7.70	280.88	67.38	194.39	1686.32
1963	116.70	250.63	701.88	73.81	67.39	7.83	291.91	68.78	206.31	1785.24
1964	122.86	269.77	751.38	75.47	69.62	7.99	302.16	71.73	220.27	1891.26
1965	135.16	280.92	814.41	79.00	72.32	8.22	321.48	75.44	236.46	2023.42
1966	148.22	297.75	872.90	81.62	76.14	8.53	345.43	79.09	254.65	2164.34
1967	159.30	327.34	950.53	84.85	79.09	8.65	365.14	83.90	274.59	2333.40
1968	170.11	343.61	1013.59	88.08	82.37	8.84	386.93	87.74	295.16	2476.43
1969	180.18	360.20	1077.24	91.24	85.30	8.97	406.99	91.15	315.54	2616.80
1970	191.41	380.05	1160.70	96.08	87.83	9.25	430.23	94.74	333.72	2784.01
1971	200.55	397.74	1264.64	99.58	89.00	9.22	455.23	99.05	351.64	2966.65
1972	207.91	411.89	1384.75	101.68	88.71	9.14	479.78	104.63	367.70	3156.19
1973	218.34	430.12	1474.60	102.35	88.25	9.29	509.51	110.10	382.26	3324.82
1974	232.93	443.63	1547.20	104.86	88.20	9.89	543.04	116.38	397.38	3483.50
1975	244.12	455.52	1620.37	104.52	85.93	10.31	570.33	122.96	408.93	3622.98
1976	258.34	469.01	1680.44	104.36	84.79	10.32	597.57	128.82	415.52	3749.15
1977	267.77	485.21	1732.30	104.49	83.39	10.54	631.36	134.69	426.38	3876.10

NOTE Prices are constant 1939 prices. In 1969 census units underwent major redefinition.

‘The present costs of protection are dangerously high . . . It cannot be too strongly emphasized that only by improved efficiency and consequent reduction in prices in the industries now protected can resources be set free for protecting new industries.’
The Australian Tariff Enquiry, 1929.

MANF 133-142 VALUE OF PRODUCTION BY INDUSTRIAL SUBDIVISION, AUSTRALIA 1907-1982

Year 31 Dec	Non-metal mining	Chemical	Metals	Textiles	Clothing	Leather	Food	Wood	Other	Total
133	134	135	136	137	138	139	140	141	142	
\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
1907	2.28	2.45	17.59	9.85	1.06	16.19	5.37	6.81	61.60	
1908	2.68	2.75	17.75	10.94	1.22	16.00	7.11	7.61	66.06	
1909	2.88	1.67	20.09	12.96	1.15	18.48	8.36	9.76	75.35	
1910	3.33	3.36	23.36	14.30	1.36	21.09	9.58	9.16	85.74	
1911	4.16	3.61	26.58	15.91	1.32	23.16	11.57	10.64	96.95	
1912	4.94	3.99	30.90	17.07	1.56	25.10	13.34	11.27	108.17	
1913	5.11	4.53	33.38	17.60	1.57	28.47	13.77	11.88	116.31	
1914	5.22	4.81	33.04	17.47	1.83	31.05	13.42	11.53	118.37	
1915	4.93	5.22	33.93	18.52	2.20	29.26	11.65	11.51	117.22	
1916	4.71	5.76	35.54	20.01	2.32	28.29	10.64	12.13	119.40	
1917	4.40	6.42	35.96	22.09	2.49	35.17	11.12	13.07	130.72	
1918	4.79	7.82	37.25	24.47	2.82	35.61	13.07	14.62	140.45	
1919	6.22	8.52	39.28	26.48	3.23	39.15	14.24	14.78	151.90	
1920	8.08	9.93	43.29	35.19	4.71	48.46	18.60	18.01	186.27	
1921	11.20	9.38	55.77	36.15	4.05	47.63	22.87	21.79	208.84	
1922	10.87	11.11	59.15	40.28	4.66	55.66	23.50	23.01	228.24	
1923	13.13	11.46	61.20	44.27	4.66	60.02	24.92	27.79	247.45	
1924	15.51	11.85	73.78	42.28	4.81	58.38	29.76	28.17	264.54	
1925	15.50	13.58	78.53	42.35	4.34	62.52	30.49	27.13	274.44	
1926	16.10	14.86	84.48	45.69	4.40	64.89	31.76	29.79	291.97	
1927	18.51	16.81	88.69	45.69	9.20	66.18	30.10	25.67	306.42	
1928	18.68	16.48	88.95	45.69	8.55	75.68	28.64	29.74	316.02	
1929	17.99	17.73	91.85	45.69	7.79	74.37	25.98	30.20	315.96	
1930	15.30	17.03	81.25	45.69	6.99	71.30	22.64	29.01	291.56	
1931	7.85	16.03	54.25	12.23	3.41	60.26	12.59	26.25	216.82	
1932	6.31	15.84	45.61	13.86	2.21	4.46	57.39	10.57	202.56	
1933	8.32	16.39	52.57	15.72	22.73	4.95	58.75	12.57	219.30	
1934	10.22	16.17	61.79	16.49	24.09	5.48	60.79	14.62	239.29	
1935	13.45	18.06	72.41	16.47	26.15	5.62	64.74	18.43	267.74	
1936	15.98	19.53	90.61	19.19	28.03	6.14	69.08	22.03	304.90	
1937	17.73	22.63	105.49	19.66	29.25	6.23	72.45	24.38	333.84	
1938	20.57	23.82	120.29	20.52	31.73	6.00	80.79	27.17	370.76	
1939	21.44	24.91	124.87	21.84	33.10	6.37	83.20	40.97	384.02	
1940	21.42	28.31	134.24	28.14	34.92	7.61	90.27	28.53	417.56	
1941	23.78	36.79	171.90	35.87	39.28	8.93	97.03	32.04	492.67	
1942	24.08	49.66	239.75	41.91	47.27	10.31	106.31	35.67	607.86	
1943	19.77	58.22	296.44	43.62	46.36	10.95	113.68	53.30	677.32	
1944	18.58	51.86	314.78	45.53	49.79	11.77	118.31	37.50	705.46	
1945	19.03	47.03	295.16	44.55	55.31	11.47	124.95	38.61	696.54	
1946	23.08	45.16	259.38	44.07	59.67	13.70	123.98	42.11	676.90	
1947	31.47	48.98	292.79	53.86	73.69	17.22	138.28	52.96	793.70	
1948	38.12	57.28	362.62	64.16	86.68	18.55	156.34	67.18	949.12	
1949	44.20	67.11	421.71	71.72	104.47	20.72	179.60	81.06	1105.77	
1950	52.65	81.34	492.46	85.91	115.43	25.38	201.98	96.50	1289.97	
1951	67.98	105.41	633.99	109.22	143.51	29.44	236.64	124.04	1649.31	
1952	85.68	127.43	826.10	113.17	162.12	27.25	282.11	154.80	1999.27	
1953	90.91	135.67	842.55	129.67	165.57	31.68	328.67	155.12	2109.61	
1954	105.59	164.63	936.60	157.12	187.13	33.23	355.76	174.20	2377.65	
1955	123.62	196.25	1065.94	156.79	196.83	33.83	373.08	195.79	2637.68	
1956	132.90	238.33	1190.72	162.90	204.94	33.97	395.60	206.78	2892.55	
1957	139.52	273.77	1281.66	182.94	211.04	33.05	428.86	205.92	3123.01	
1958	149.72	291.32	1388.99	183.00	216.14	32.78	449.87	223.51	3325.26	
1959	164.84	317.99	1471.57	191.25	221.49	35.64	469.52	236.81	3531.88	
1960	193.89	356.53	1698.18	216.69	237.69	37.88	520.14	262.90	3988.53	
1961	211.79	366.10	1783.99	212.49	247.22	36.06	539.17	263.56	4154.94	
1962	215.68	364.34	1774.05	211.22	252.35	37.19	595.46	256.32	4213.16	
1963	230.01	411.38	1957.89	233.78	266.34	40.26	636.92	260.35	4591.88	
1964	261.93	449.47	2173.99	252.47	281.42	40.97	700.49	282.19	5042.70	
1965	299.09	504.80	2486.08	279.58	302.30	42.15	757.12	316.40	5655.50	
1966	303.94	542.70	2647.77	282.75	318.97	43.11	818.33	331.39	5997.54	
1967	333.03	627.65	2912.89	303.06	341.50	44.09	892.26	356.22	6603.93	
1968	367.08	687.00	3163.63	315.02	360.08	48.03	937.48	377.33	7132.47	
1969	366.87	633.03	3202.64	301.05	409.16	35.01	1184.44	395.26	7475.48	
1970	407.89	681.83	3555.92	310.29	452.10	35.96	1321.93	433.68	8265.72	
1971	496.35	804.14	4052.11	333.75	521.54	44.83	1683.85	495.92	9703.24	
1972	562.62	885.51	4337.73	376.77	563.88	45.47	1943.46	583.75	10745.97	
1973	663.94	1076.24	6193.37	481.08	676.10	52.52	2126.05	752.80	13149.25	
1974	768.42	1172.83	6626.99	409.19	696.75	54.22	2650.83	845.20	15239.64	
1975	870.37	1261.74	7083.94	542.34	841.68	63.38	3074.07	982.01	16921.00	
1976	999.33	1464.59	8088.52	563.14	894.18	66.97	3501.79	1118.29	19234.27	
1977	1035.58	1697.40	8217.95	581.39	967.72	76.29	3767.38	1128.99	20736.26	
1978	1088.53	1898.82	9180.25	641.52	1049.43	84.86	4035.50	1194.02	22230.12	
1979	1293.51	2198.47	10871.63	708.81	1134.43	81.85	4412.28	1366.51	25596.20	
1980	1453.22	2516.07	11833.51	769.19	1271.39	92.48	5019.31	1610.16	28514.96	
1981	1685.24	2766.62	12996.29	855.55	1380.25	104.97	5324.83	1770.48	31377.69	

NOTE Prices are current prices. In 1969 census units underwent major redefinition.



*Frank Hinder, Painting 1946, tempera on hardboard.
Hinder was attracted to complex modern life subjects
involving movement, and much of his work during the period
1943 to 1951 featured shapes such as squares, rectangles,
triangles and circles.*

ART GALLERY OF NEW SOUTH WALES

III

SOCIETY, POLITICS
AND RELIGION