# SECTION VIII.—CURRENT RATES OF WAGE AND HOURS OF LABOUR.

General. - The collection of material respecting the current rate of wage payable in different callings and in occupations in various industries carried on in each State of the Commonwealth was first undertaken by this Bureau in the early part of the year 1913. The inquiry, which was confined to the rate of wage payable to adult workers only,\* was further limited in a degree to those industries in operation within the metropolitan area of the capital town in each State. ticulars acquired were obtained primarily from awards, determinations, and industrial agreements under Commonwealth and State Acts, and related to the minimum wage prescribed. In cases where no award, determination or agreement was in force, the ruling union or predominant rate of wage being paid was ascertained from employers and secretaries of trade unions For convenience of comparison, weakly rates of wage were adopted, though in many instances they were actually based on daily or hourly rates, as specified in awards, determinations, or agreements.‡

The information thus obtained referred to the weekly rate of wage in upwards of 400 industries, and related to 1569 male occupations or callings. These particulars furnished the necessary data for the computation of average rates of wage in various industrial groups § and in each State and all States. The average rate of wage thus computed represented the arithmetic average of the rate of wage payable in all classified occupations. It was not claimed that results obtained by this method are precisely correct, but owing to the difficulty in obtaining any satisfactory data as to the number of persons engaged in each of the occupations for which rates of wage had been obtained, no detailed

#### Classification of Industries and Occupations.

III. Food, Drink, and Tobacco, &c., Manufacturing.  IV. Clothing, Hats, Boots, Textiles, &c. V. Books, Printing, Bookbinding, &c.  VI. Other Manufacturing.	X. Railway and Tramway Services. X. Other Land Transport. I. Shipping, Whari Labour, &c. II. Pastoral, Agricultural, Rural, Horticultural, &c. Domestic, Hotels, etc. V. Miscellaneous.
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<sup>||</sup> The summation of the weekly rate of wage divided by the number of occupations included.

<sup>\*</sup> This limitation was necessary owing to the difficulty of ascertaining reliable particulars of the numbers of apprentices, improvers and other juvenile workers, to whom progressive rates of wage, fixed or otherwise, according to increasing age or experience, are payable from year to year.

<sup>1</sup> In order to make the inquiry a comprehensive one, it was necessary to include certain industries which obviously are not carried on in the capital towns, e.g., Mining, Shipping, Agricultural, and Pastoral.

This precaution was necessary, in view of the fact that it is often in those industries and occupations in which employment is of an exceptionally casual or intermittent nature that wages are fixed and paid at a daily or hourly rate. Hence the average weekly earnings in such occupations will probably fall considerably short of the computed weekly rates.

<sup>§</sup> The following industrial classification of industries was adopted:—

system of weights could be applied.\* For final results for each State and for each industrial group throughout the States, however, a careful system of weighting was adopted. For example, in computing the result for any State in any year, the computed average wage in each industrial group was multiplied by a number (weight) representing the relative number of all male workers engaged in that group of industries in the particular State. The sum of the products thus obtained, divided by the sum of the weights, represents the relative aggregate average wage for that State for the particular year t

The whole question of weighting was referred to in some detail in Report No. 1 (Prices, Price Indexes and Cost of Living) of the Labour and Industrial Branch of this Bureau. With the necessary verbal modifications, many of the statements there made and the problems there considered in regard to the subject of prices, etc., refer equally to the question of weighting in other investigations, such as the present. Any inquirer wishing to thoroughly understand the subject may refer to that Report.

The results thus ascertained for the year 1913 were published in Labour Report No. 2, pp. 28-43. In the early part of the year 1914. the scope of the inquiry was considerably extended, and particulars of the weekly rates of wage in 930 specified industries and 4256 adult occupations (3948 male, and 308 female); were included, and results obtained thereby to the 30th April, 1914, were published in Labour Report No. 5, pp. 44-50. These results were further analysed, and the number of working hours which constituted a full week's work in each occupation was averaged and weighted in a

† The weights used in the computation of the average wage were as follows :-Current Rates of Wage for Adult Male Occupations. Weights used for

## each Industrial Group. 1 --- 1 --- 1 --

Particulars.	1.	п.	μц.	IV.	٧.	VI.	VII.	V 11 L.	IX.	X.	XI.	XII.	XIII.	XIV.
N.S.W. Victoria Queensland S. Australia W. Australia Tasmania	136 118 67 24 65 25	228 195 62 71 36 14	199 160 108 45 32 17	84 95 23 16 7	65 58 20 13 8 5	162 141 34 40 16 7	252 190 70 68 32 20	343 157 133 29 142 49	187 136 73 48 40 10	74 54 22 17 9	187 65 45 44 32 12	704 455 352 182 118 104	134 95 45 24 31	902 784 302 228 158 80
C'wealth	435	606	66L	231	169	400	632	853	494	182	335	1,915	339	2,399

‡ The weights used in the computation of the average wage in female occupations were as follows: Current Rates of Wage for Adult Female Occupations. Weights used for each Industrial Group.

Particulars.	Particulars.			I. H. V. VI. Other Manufactures Combined.	XIII. Domestic, Hotels, etc.	XIV. Miscellaneous Shop Assistan <b>ts</b> , Clerks, etc.
New South Wales Victoria Queensland South Australia Western Australia Tasmania		23 28 5 3 1	228 320 80 56 29	44 57 8 7	104 80 47 22 29 8	124 111 40 32
Commonwealth		61	- 731	118	290	- 307

<sup>\*</sup> Though a great deal of information as to the number of persons engaged in different industries and occupations was available from the Census (1911) results, it was found impracticable to bring the classification of these results into line with the detailed classification of occupations in the various industries, as set out in the awards, determinations, etc.

similar manner to the rates of wage. This course was adopted in order to overcome the difficulty of making comparisons of the rates of wage in any specified occupation, owing, in many instances, to a different number of working hours constituting a full week's work in separate States. By dividing the weighted average number of working hours into the weighted average weekly rate of wage, what for some purposes may be considered a more adequate standard of comparison was ascertained. Results obtained from these computations were given for each industrial group for each State.

Since the 30th April, 1914, the number of occupations included in comparative computations have been kept constant, but the particulars of wages contained in Appendixes IV. and V. to this Report include those for many additional occupations. In most instances these have been taken from awards or determinations made subsequent to that date by industrial tribunals or from agreements registered under Commonwealth or State Acts, or as a result of direct inquiry.

- 2. Weekly Rates of Wage and Wage Index-Numbers in States and in Classified Industries, 31st December, 1917.—The particulars given in the Appendixes, referred to above, furnish the necessary data for the computation of relative rates of wage in the different States and classified industrial groups at the 31st December, 1917.
- (i.) Weighted Average Nominal Rate of Wage Payable to Adult Male Workers in each State, 31st December, 1917.—The following table shows the weighted average nominal weekly rate of wage payable at the 31st December, 1917, to adult male workers for a full week's work in each These results are based on the rates of State and the Commonwealth. wage in a large number of important industries, and serve to indicate with a considerable degree of precision the relative conditions in the several States. For the purposes of comparison as between States it should, however, be observed that the lists of occupations to which the rates of wage refer are not by any means uniform, neither do they necessarily include all the more important industries carried on in each State, and any conclusions drawn from such comparisons must be subject to these qualifications. Taking the weighted average rate of wage for the six States as base (= 1000), index-numbers for each State are also shewn.

Weighted Average Nominal Weekly Rate of Wage payable to Adult Male Workers for a Full Week's Work, and Wage Index-Numbers in each State and Commonwealth, 31st December, 1917.

Particulars.	N.S.W.	Vic.	Q'land.	S.A.	W.A.	Tas.	C'with.
Number of Oc-	874	909	627	567	489	482	3,948
cupations in-	s. d.	s. d.	.s. d.	s. d.	s. d.	s. d.	s. d.
oluded Weighted Aver-	64 5	63 0	65 3	63 l	68 11	59 7	64 2
age Weekly Rate of Wage Index-Numbers	1,003	982	1,017	983	1,074	929	1,000

<sup>·</sup> Weighted average.

The results shew that the weighted average nominal rate of wage was highest in Western Australia, followed in the order named by Queensland, New South Wales, South Australia, Victoria, and Tasmania.

(ii.) The following table gives particulars in regard to the weighted average nominal weekly rate of wage at the 31st December, 1917, for adult male workers in each of the several industrial groups and to the weighted average for all groups combined. In computing the indexnumber for each industrial group, the weighted average rate of wage for all groups is taken as base (= 1000).

Weighted Average Nominal Weekly Rate of Wage payable to Adult Male Workers for a full Week's Work, and Wage Index-Numbers in each Industrial Group, 31st December, 1917.

Industrial Groups.	No. of Rates Included.	Weighted Aver. Weekly Rate of Wage (for Full Week's Work).	Index-Number		
I. Wood, Furniture, etc. :. II. Engineering, Metal Works,	270	s. d. 66 û	1,028		
etc	636	65 0	1,013		
III, Food, Drink, etc	576	63 .7	991		
IV. Clothing, Boots, etc	124	- 59 7	928 .		
V. Books, Printing, etc	205	70 6	1,098		
VI. Other Manufacturing	875	63 10	994		
VII. Building	190	72 5	1,129		
VIII. Mining	161	78 4	1,221		
IX. Rail & Tram Services	224	65 11	1,027		
X. Other Land Transport	. 70	62 0	966		
XI. Shipping, etc	198	61 2†	954		
XII. Pastoral, Agricultural, etc.	72	61 12	951		
XIII. Domestic, Hotels, etc.	114	53 118	840 -		
XIV. Miscellaneous	233	60 9	947		
All Groups	3,948	64~ 2	1,000*		

<sup>\*</sup>Weighted average. † Including the value of Victualling and accommodation (estimated at 45s. per month) where supplied. † Including the value of Board and Lodging where supplied as follows:—In the agricultural industry, 14s. per week in Victoria and 15s. in the remaining States; in the pastoral industry, 15s. in West Australia, 17s. in Tasnania, and 20s. in the remaining States. § Including the value of Board and Lodging where supplied as follows:—In Sydney 15s. 6d. to 19s., in Melbourne 14s., in Brisbane 14s. and 15s., in Perth 23s., and in Adelaide and Hobart 15s.

It may be seen from the above table that the highest weighted average wage at the end of the year 1917 was paid to employees in the Mining industry (Group VIII), 78s. 4d. per week, followed by Group VII. (Building), 72s. 5d., and Group V. (Books, Printing, etc.), 70s. 6d. The lowest weighted average wage was that paid to persons engaged in Hotels, Restaurants, etc. (Group XIII.), 53s. 11d. The average wage paid in the Mining industry (Group VIII.) was 22 per cent. higher, while the average in Group XIII. (Domestic, Hotels, etc.) was 16 per cent. lower than the average wage for all groups.

(iii.) The following table shews the weighted average nominal weekly rate of wage payable at 31st December, 1917, to adult female workers for a full week's work in each State and the Commonwealth. Taking the weighted average rate of wage for the whole Commonwealth as base (= 1000), index-numbers for each State are given:—

Weighted Average-Nominal Weekly Rate of Wage payable to Adult Female Workers for a Full Week's Work, and Wage Index-Numbers in each State and Commonwealth, 31st December, 1917.

Particulars.	N.S.W.	Vie.	Q'land.	S.A.	W.A.	Tas.	C'wlth.
Number of Occu- pations included Weighted Aver- age Weekly Rate of Wage Index-Numbers	- 85 e. d. 30 5 998	87 s. d. 30 4 996	37 s. d. 30 5 999	47 s. d. 27 9 910	24 s. d. 38 10 1,276	28 s. d. 28 5 932	308 s. d. 30 5*

<sup>·</sup> Weighted average.

The highest weighted average nominal rate of wage for female workers was paid in Western Australia, followed in the order named by New South Wales and Queensland (equal), Victoria, Tasmania, and South Australia.

(iv.) The following table gives particulars regarding the weighted average nominal rate of wage for adult females in those industrial groups in which they are mainly employed, and the weighted average for all groups combined. Index-numbers based on the weighted average for all groups as base (= 1000) are also given:—

Weighted Average Nominal Weekly Rate of Wage payable to Adult Female Workers for a Full Week's Work, and Wage Index-Numbers in Industrial Groups, 31st December, 1917.

Industrial Groups.	No. of Rates Included.	Rat	Weekly- e of for Full	Index-Numbers		
III. Food, Drink, etc	35	s. 26	d. 4	865		
IV. Clothing, Boots, etc I., II., V., VI. All Other Manu-	114	29	7	972		
facturing Combined	84	30	4	1. 996		
XIII. Domestic, Hotels, etc.	57	33	5*	1,098		
XIV. Shop Assistants, Clerks, etc.	18	30	6	1,001		
All Groups	308	30	5 '	1,000†		

The results set out in the above table shew that the highest weighted average wage was paid in Group XIII. (Domestic, Hotels, etc.), 33s. 5d., followed in order by Group XIV. (Shop Assistants, Clerks, etc.), 30s. 6d., and the combined Manufacturing group, 30s. 4d. The average wage paid to employees in Group III. (Food, Drink, etc.', 26s. 4d., is 14 per cent. lower, while that paid in Group XIII. (Domestic, Hotels, etc.) is 10 per cent. higher than the average rate of wage for all groups.

3. Relative Weekly Wages and Wage Index-Numbers in each State and for all States, 1914-17.—The arithmetic average of the rates of wage given in the appendixes referred to furnish the basis for the computation of relative weighted wages in different industrial groups and States. In the following tables particulars are given of the results thus obtained of the weighted average nominal weekly rates of wage payable to adult workers, male and female, separately, at the 30th

April, 1914, and approximately at the end of each subsequent quarterly period to the 31st December, 1917, for a full week's work, in each State and for all States.

(i) Weighted Average Nominal Weekly Rates of Wage Payable to Adult Male Workers in each State, 1914-17.—The following tables shew the weighted average nominal weekly rate of wage payable to adult male workers for a full week's work, together with index-numbers for each State at each specified interval based on the average for all States at the 30th April, 1914, as base (=1000).

Weighted Average Nominal Weekly Rate of Wage payable to Adult Male Workers for a Ful! Week's Work, and Wage Index-numbers in each State and Commonwealth, 30th April, 1914, to 31st December, 1917.

Note.—Index number based on the average wage for the Commonwealth at the 30th April, 1914 (55.12s.) as base (= 1000). The index numbers in this table are comparable throughout.

Particulars.	N.S.W.	Vic.	Qʻland.	S.A.	W.A.	Tas.	C'with.
No, of Occupations Included.	874	909	627	567	489	482	3,948
30th April, Weighted average weekly rate of wage Index-numbers . Weighted average weekly rate of wage	s. d. 55 9 1,011 s. d. 55 11	s. d. 54 3 984 s. d. 54 4		s. d. 54 4 988 s. d. 54 4	s. d. 62 2 1,128 s. d. 62 9	s. d. 52 6 952 s. d. 52 7	s. d. 55 1 1,000 s. d. 55 3
1914 Index numbers  30th Sept. Weighted average weekly rate of wage Index-numbers Weighted average weekly rate of wage Index-numbers	1,014 s. d. 56 2 1,019 s. d.	985 s. d. 54 7 990 s. d.	958 s. d. 53 4 967 s. d.	986 s. d. 54 5 988 s. d.	1,139 s. d. 62 10 1,140 s. d.	954 s. d. 52 8 956 s. d.	1,003 s. d. 55 6 1,008 s. d.
31st Dec., weekly rate of wage Index-numbers Weighted average weekly rate of wage	56 2 1,019 s. d. 56 3	54 7 990 s. d. 54 8	53 5 989 8. d. 53 4	54 5 988 s. d. 54 3	62 10 1,140 s. d. 63 1	52 8 956 s. d. 52 9	55 7 1,008 s. d. 55 7
1915. Index-numbers  30th June, Weighted average weekly rate of wage weekly rate of wage index-numbers	1,021 s. d. 56 8 1,028	992 s. d. 54 8	967 s. d. 53 4 967	984 3. d. 54 8 984	1,144 5. d. 63 1 1,145	957 s. d. 52 9	1,009 s. d. 55 7 1,012
30th Sept., Weighted average weekly rate of wage Index numbers	s. d. 56 10 1,031 s. d.	s. d. 54 11 996 s. d.	5. d. 53 8 974 5. d.	s. d. 54 3 985 s. d	8. d. 63 1 1,145 5. d.	s. d. 52 9 958 s. d.	s. d. 56 0 1,015 s. d.
1915. weekly rate of wage Index-numbers Weighted average	57 7 1,044 s. d.	55 3 1,002 s d,	54 4 986 a. d.	54 8 992 s. d.	68 4 1,149 s. d.	53 3 965 s. d.	56 6 1,023 s. d.
1916. Weekly rate of wage Index-numbers Weighted average weekly rate of wage	58 2 1,055 8. d.	56 7 1,026 s. d. 57 0	55 1 999 s. d. 56 5	55 8 1,011 s. d. 56 1	63 4 1,149 8. d. 63 4	53 9 976 s. d. 54 4	57 3 1,039 8. d. 57 11
1916. Index-numbers .: Weighted average	58 11 1,069 s. d. 59 6	1,035 s. d. 57 9	1,024 s. d. 57 11	1,018 s. d. 56 6	1,149 s. d.	986 s. d. 54 9	1,051 s, d. 58 8
1916.   Index-numbers   Weighted average weekly rate of wage Index-numbers	1,079 8. d. 61 11 1,128	1,047 s. d. 58 10 1,067	1,051 8. d. 60 4 1,095	1,025 s. d. 59 0 1,071	1,155 2. d. 65 2 1,182	993 5. \$ 57 0 1,034	1,064 s. d. 60 8 1,100
31st Mar. Weighted average weekly rate of wage [Index-numbers.]  Weighted average [Weighted average]	8. d. 62 7 1,136 8. d.	s. d. 50 0 J,089 s. d.	s. d. 61 2 1,110 s. d.	59 8 1,083 8. d.	s. d. 65 5 1,186 s. d.	8. d. 57 6 1,044 8. d.	s. d. 61 5 1,115 s. d.
1917. weekly rate of wage Index-numbers	63 5 1,151 s. d.	61 2 1,109 8 d.	62 4 1,131 s. d.	61 0 1,107 8. d	66 4 1,203 s. d.	57 7 1,044 s. d.	62 5 1,132 s. d.
1917. Index-numbers  31st Dec. Weighted average	63 9 1,167 8. d. 64 5	62 3 1,130 s. d. 63 0	-68 5 1,151 s. d. 65 3	61 6 1,116 8. d. 63 1	67 10 1,231 8. d 68 11	58 6 1,061 s. d 59 7	03 3 1,147 s. d 64 2
1917. \ Index-numbers	1,168	1,143	1,188	1,144	1,250	1,081	1,164

In the preceding table it will be seen that the average weekly wage for adult male workers, as indicated by index-numbers at the 30th April, 1914, in two States, viz., New South Wales and Western Australia, exceeded the weighted average wage for the Commonwealth. This feature remained constant in varying degrees of excess throughout the

period under review until the end of September, 1917, when the indexnumber representing the average wage for Queensland also was higher than the weighted average wage index-number for the Commonwealth.

(ii.) Weighted Average Rate of Wage payable to Adult Female Workers in each State, 1914-17.—The first part of the following table shews the weighted average weekly rate of wage payable to adult female workers for a full week's work in each State and the Commonwealth at the 30th April, 1914, and at approximately quarterly periods to the 31st December, 1917: The table shews index-numbers for each State based on the average weekly wage at the end of each of the periods indicated, computed from the weighted average wage for all States at the 30th April, 1914, as base (=1000).

Weighted Average Nominal Weekly Rate of Wage payable to Adult Female Workers for a Full Week's Work, and Wage Index-numbers in each State and Commonwealth, 30th April, 1914, to 31st December, 1917.

Note.—Index-number based on the average wage for the Commonwealth at the 30th April, 1914 (27.19s.) as base (= 1000). The index-numbers in this table are comparable throughout.

From the foregoing table it will be seen that the general upwardmovement in the average weekly wage for adult female workers, as indicated for the whole Commonwealth, was comparatively small during 1914 and 1915. From the beginning of the year 1916, the increase in the average wage is more noticeable. The advance during the whole period under review has been 12.1 per cent., and this increase has practically taken place since the beginning of 1916.

(iii.) Weighted Average Weekly Rate of Wage Payable to Adult Male Workers in each Industrial Group, 1914-1917.—The following table gives particulars in regard to (a) the average weekly rate of wage in each of the industrial groups, and (b) the weighted average wage for all groups combined, as at 30th April, 1914, and at approximately quarterly periods to the 31st December, 1917. Index-numbers for each industrial group and all groups, based on the average wage for all groups at 30th April, 1914 (= 1000), are given.

Weighted Average Nominal Weekly Rate of Wage payable to Adult Male Workers for a Full Week's Work, and Wage Index-numbers in each Industrial Group, 30th April, 1914, to 31st December, 1917.

Note.—Index-numbers for each industrial group and all industrial groups, based on the average wage for all groups at 30th April, 1914, as base (= 1000). The index-numbers in this table are comparable throughout.

	Wei	ghted A	verage and	Nomina Index-l	ıl Week Number	ly Rate	of Wa	ge,
Industrial Group.	30th April, 1914.	31st Dec., 1914.	31et Dec., 1915.	31st Dec., 1916.	31st Mar., 1917	30th June, 1917.	30th Sept , 1917	31st, Dec. 1917.
I. Wood, Furniture, etc. Wage Index-No.	s. d. 58 6 1,062	s. d. 59 6 1,080	. d. 60 2 1,092	8. d 63 10 1,159	s d 63 11 1,160		8. d 65 2 1,183	8. d. 66 0 1,198 8. d
.II. Engineering, etc. Wage Index-No.	57 0 1,035	8. d. 57 9 1,048	s, d. 60 2 1,092 s. d.	8. d. 62 J 1.127	62 10 1,141	8. d. 63 3 1,148 8. d	1,171	65 0 1,180 s d.
III. Food, Drink, etc. Wage Index-No.	s. d. 55 0 999 s. d.	55 8 1,011 8. d.	57 9 1,048	$\begin{array}{ccc} s. & d \\ 61 & 2 \\ 1,111 \end{array}$	s. d. 62 1 1,127	62. 7 1,136 e. d.	$egin{array}{cccccccccccccccccccccccccccccccccccc$	63 7 1,154 8. d.
IV. Clothing, Boots, etc. (Wage Index-No.	8. d. 52 3. 949 8. d.	53 0 962 s. d.	s. d. 53 2 965 s. d.	s. d 56 7 1,027 s d.	8, d. 57 1 . 1,036 s. d	57 8 1,047	s. d. 59 2 1,074	59 7 1,082 s. d.
V. Books, Printing, etc. Wage Index-No.	63 3 1,150	63 10 1,159 s. d.	64 6 1,171 s. d.	68 1 1,236 s d	68 9 1,248	69 10 1,268	8. d. 70 2 1,274 8. d.	70 0 1,280 s. d.
VI. Other Manufacturing \ \ \text{Mage} \ \ \text{Index-No.} \	55 1 1,000	56 0 1,017	57 8 1,047	61 8 1,120 8 d.	62 2 1,129 8 d	62 8 1,138 s d.	8. d. 62 10 1,141 8. d.	63 10 1,159 8 d.
WII. Building Wage Index-No.	8. d. 65 0 1,180 8. d.	s. d. 65 5 1,188	s. d. 65 10 1,1% s. d.	69 8 1,265	70 3 1,275 8 d.	70 11 1,288 d	71 9 1,303 8 d	72 5 1,315 8. d.
VIII. Mining, etc Wage Index-No.	65 1 1,182	s. d. 65 2 1,183 s. d.	66 7 1,209	$729 \\ 1,321$	76 8 1,392 8 d	77 3 1,403	77 4 1,404 8. d	78 4 1,422 s. d.
IX. Railways, etc \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	59 8 1,083	59 8 1,083	60 10 1,104	8 d, 63 4 1,150 8 d.	63 7 1,154	64 0 1,162 8 d	65 11 1,197	65 11 1,197 a d.
X. Other Land Transport { Wage Index-No.	51 0 926	52 8 956	3. d. 53 4 968 8. d.	57 10 1,050	58 1 1,054	58 6 1,062 s- d	8. d 61 8 1.120 8 d	62 0 1.126 s. d.
XI. Shipping, etc.* { Wage : Index-No.	48910 887	49 10 905	$\frac{52}{955}$	$     \begin{array}{ccccccccccccccccccccccccccccccccc$	8 d 61 0 1,107 8 d	61 0 1.107 s. d.	61 0 1,107	61 ·2 1.111 8. d.
XII. Agricultural, etc.* [Wage Index.No.	8. d. 49 5 897	s. d. 49 5 897	49 8 902	55 0 999	55 4 1,005	$\frac{58}{1,059}$	$\frac{58}{1,067}$	61 1 1,109 s. d.
XIII. Domestic, etc Wage Index No.	8. d. 47 0 853	8, d. 47 11 870	s. d. 48 7 882	s. d. 51 0 926	52 2 947	52 11 961	53 9 976	53 11 979 s - d.
XIV. Miscellaneous Wage Index-No.	8. d. 53 7 973	5. d. 54 0 980	s. d. 54 7 991	s. d. 58 3 1,058	8. d. 58 8 1,065	59 1 1,072	8. d 60 2 1,092	60 9 1,103
All Industrial Groups \ \ \text{Wage Index-No.}	s. d. .55 1 <b>1,0</b> 00	s. d. 55 7 1,008	s. d. 56 6 1,023	s. d. 60 8 1,100	s. d. 61 5 1,115	8 d. 62 5 1,132	s d 63 3 1,147	3. d. 64 2 1,164

<sup>\*</sup> See footnote to table on page 69. † Particulars for the quarters omitted from this table will be found on page 423 of Report No. 7.

The above table shews that the rate of increase in the weighted average weekly wage in occupations and callings classified in the fourteen industrial groups was greatest in Group XI. (Shipping), 25.3 per cent., followed in the order named by Groups XII. (Agricultural. etc.), 23.6 per cent., and X. (Other Land Transport), 21.6 per cent. In ten of the groups the increase was less, and in four groups more than the increase in the weighted average for all groups.

(iv.) Weighted Average Rate of Wage Payable to Adult Female Workers in Industrial Groups, 1914-17.—The following table gives particulars of the weighted average weekly rate of wage payable to adult female workers at the 30th April, 1914, and at approximately quarterly periods to the 31st December, 1917, in the industrial groups in which they are mainly employed, and in all groups combined. Taking the average wage for all groups at the 30th April, 1914, as base (= 1000), indexnumbers are given, computed on the average rate of wage ruling at the end of each period indicated.

Weighted Average Nominal Weekly Rate of Wage payable to Adult Female Workers for a Full Week's Work, and Wage Index-numbers in each Indus rial Group. 30th April, 1914, to 31st December, 1917.‡

Note.—Index-number for each Industrial Group and all Industrial Groups, based on the Average Wage for all groups at 30th April, 1914, as base (≈ 1000). The index-numbers in this table are comparable throughout.

	Weighted Average Nominal Weekly Rate of Wage, and Index-Number at—								
Industrial Group.	30th April, 1914.	31st Dec., 1914.	31st Dec., 1915.	31st Dec., 1916.	31st Mac. 1917.	30th June, 1917.	30th Sept., 1917.	31st Dec. 1917.	
III. Food, Drink, etc.   Wage   Index-No.	\$. d. 22 6 828 s. d.	s. d. 28 5 862	s. d. 24 b 899 s. d.		s. d. 25 6 939 s. d.	s. d. 25 8 945 s. d.	s. d. 25 11 954 4. d	8. d. 26 4 960 8. d.	
IV. Ctothing, Boots, etc.   Wage Index-No.	s. d. 24 9 911 s. d.	24 11 917 s. d.	25 1 923 s. d.	26 11 991 s. d.	27 4 1,008 8. d	27 7	28 10 1,061	20 7 1,089 s. d.	
I., II., V. and VI All Other (Wage Manufacturing Index-No.	26 11 991 8. d.	27 c0 994 s. d.	27 4 1,006 s. d.	29 5	29 8	30 0 1,104	30 · 8 1,113 s. d	30 4 1,116 s. d.	
XIII. Domestic, Hotels, etc.* Wage Index No.	31 1 1,144 s. d.	30 2 1,110 s. d.	30 9	31 2 1,147 s. d	31 8 1,166 s. d.	32 0	33 3 1,224 s. d.	33 5 1,230 s. d.	
XIV. Miscellaneous Wage Index. No.	30 2 1,110	31 4	30 1 1,107	29 10 1,098	80 4 1,116	30 6 1,123	30 6 1,123	30 6 1,123	
All Groups . Wage . Index No.	s. d. 27 2 † <b>1,00</b> 0	27 5 1,008	s. d. 27 4 1,005	s. d. 28 6 1,047	s. d. 28 11 1,064	# d 29 1 1,071	30 0 1,105	s. d 30 5 1,121	

<sup>\* \$30</sup> footnote to table on page 69. † Weighted average. ‡ Particulars for the quarters omitted from this table will be found on page 424 of Report No. 7.

It may be seen from the above table that the greatest increase in the weekly rate of wage has occurred in Group IV. (Clothing, Boots, etc.), 19.5 per cent., followed in the order named by Groups III. (Food, Drink, etc.) 17.0 per cent., I., II., V and VI. (All Other Manufacturing), 12.6 per cent., XIII. (Domestic, Hotels, etc.), 7.5 per cent., and the last group (Miscellaneous), 1.2 per cent. The weighted average weekly rate of wage for all groups was 12.1 per cent. higher at the end of 1917 than on the 30th April, 1914.

Hours of Labour and Hourly Rates of Wage, 31st December, 1917.—The rates of wage referred to in the preceding paragraphs of this Section relate to the minimum rates payable for a full week's work. It should be observed, however, that the number of hours which constitute a full week's work differs in many instances, not only as between various trades and occupations in each State, but also as between the same trades and occupations in the several States. In order to secure what may be for some purposes a more adequate standard of comparison, the results given in the preceding paragraphs are herein reduced to a common basis, viz., the rate of wage per hour, classified according to industrial groups in each State and all States. In Appendixes IV. and V. of this Report, particulars in detail regarding the number of hours worked per week in the various industries in the . several States are shewn. It will there be seen that the specified number of hours of labour per week cover a very wide range. In the following tables the average number of hours per week for each State, according to industrial groups, is given.

The 'tables on page 76 and 77 shew (a) the average weekly wage, (b) the average number of working hours per week for a full week's work, and (c) the average hourly wage for adult male and female workers in each State and industrial group except Groups XI. (Shipping, etc.), and XII. (Pastoral, Agricultural, etc.). Owing to the fact that many of the occupations included in these two groups are of a casual or seasonal nature, and that the hours of labour are not generally regulated either by awards or determinations of industrial tribunals or otherwise, the necessary particulars for the computation of average working time and hourly rates of wage are not available.

The general effect of reducing the weighted average rates of wage to a common basis (i.e., per hour) is to eliminate on comparison any apparent difference between the several States which may be due to unequal working time.

Weighted Average Nominal Weekly and Hourly Rates of Wage, Payable to Adult Male Workers, and Weekly Hours of Labour, 31st December, 1917.

Industrial Groups.	Particulars, †	Sydney.	Melbourne,	Brisbane,	, Adelaide.	· · Peruh.	Hobart.	Average for Six Capital Towns,
I. Wood, Furniture, etc. {	Weekly Wage	67/6	63/1	67/11	61/9	09/1	62/-	66/-
	Working Hours	48.02	48.07	46.24	47.90	48.00	48 00	47.76
	Hourly Wage	1/4‡	1/3‡	1/5‡	1/3	1/5‡	1/3 }	1/41
II. Engineering, Metal Works, etc.	Weekly Wage	65/11	64/6	64/11	62/1	68/9	61/6	65/-
	Working Hours	48.00	48.00	45.74	48.00	47.95	48 00	47.77
	Hourly Wage	1/44	1/41	1/5	1/3}	1/5‡	1/31	1/4‡
III. Food, Drink, etc.	Weekly Wage	64/1	02/3	66/2	63/5	62/10	56/1	63/7
	Working Hours	48.56	48.53	47.71	48.43	49 85	49 26	48.47
	Hourly Wage	1/3‡	1/3}	1/4	1/32	1/3	1/1 <del>1</del>	1/3‡
IV. Clothing, Boots, etc.	Weekly Wage Working Hours Hourly Wage	61/6 47 79 1/31	56/11 48 00 1/2 <del>1</del>	64/5 47.33 1/4}	58/10 48.00 1/21	48.00	52/11 48 00 1/11	59/7 47/86 1/3
V. Books, Printing, etc.	Weekly Wage Working Hours Hourly Wage	72/2 46 73 1/61	70/1 45.93 1/0}	67/9 45.30 1/6	69/- 47 66 1/5}		69/3 46.00 1/6	70/6 46 28 1/ <b>6</b> ‡
VI. Other Manufacturing	Weekly Wage	65/-	62/4	83/3	63/10	66/2	62/3	63/10-
	Working Hours	47 98	48.13	46 91	48 09	48 09	48.16	47.96
	Hourly Wage	1/4‡	1/3}	1/44	1/4	1/43	1/3}	1/4
♥ÎI, Bullding` {	Weekly Wage Working Hours Hourly Wage	75/6 47 28 1/74	70/10 44.82 1/7	44 00	68/11 45.19 1/6‡	47.90	68/2 47.26 1/5‡	72/5 45.83 1/7
VIII, Mining $\dagger$ $\left\{ \left[ \right. \right.$	Weekly Wage	75/5	74/8	84/4	91/4	85/8	66/11	78/4
	Working Hours	45.18	44.94	43 03	44 44	47.50	47 18	45.28
	Hourly Wage .	1/8	1/74	1/11}	2/0‡	1/9‡	1/5	1/82
IX. Rail & Tram Services {	Weekly Wage	65/11	64/7	70/7	64/8	64/11	59/11	65/11
	Working Hours	48 29	48.15	48.79	48.50	48.46	49.80	48.39
	Honrly Wage	1/44	1/4	1/5‡	1/4	1/4	1/24	1/41
X. Other Land Transport	Weekly Wage	59/7	63/2	65/4	61/9	66/	64/5	62/~
	Working Hours	54.89	51.56	50.92	49.45	48 00	51.88	52.47
	Hourly Wage	1/1	1/2	1/3‡	1/3	1/4	1/3	1/2‡
XI. Shipping, etc {	Weekly Wage    Working Hours Hourly Wage	60/1 ::	64/1	58/7 .:	64/10 	57/8	64/- ::	61/2 
XII. Pastoral, Agricultural, {	Weekly Wages Working Hours Hourly Wage	61/1 ::	59/6	62/11	80/7	86/3 ::	58/2 ::	61/T .∷.
XIII. Domestic, Hotels, etc.	Weekly Wage §	56/9	51/5	49/8	52/-	60/1	43/6	58/11
	Working Hours	56.55	56 86	56.00	54.70	55.53	58.00	56.38
	Hourly Wage	1/-	-/102	-/101	-/114	1/1	-/9	-/114
XIV. Miscellaneous {	Weekly Wage Working Hours Hourly Wage	60/3 48.61 1/3	61/11 48.59 1/3‡	48.26	60/6 47.82 1/8‡	62/5 46 98 1/4	57/0 48.20 1/2‡	60/9 48.37 1/3
All Groups excepting XL {	Weekly Wage	64/5	63/-	65/3	63/1	68/11	59/7	64/2
	Weekly Wage	65/5	63/9	66/5	63/8	70/1	60/10	65/1
	Working Hours	48.41	48.14	47.19	47.82	48.10	48.48	48 10
	Hourly Wage	1/4‡	1/4	1/5	1/4	1/5‡	1/3	1/4 ‡

<sup>†</sup> Particulars relate to the Average Weighted weekly wage, working hours and hourly wage, respectively. 1 Average rates of wage and hours prevailing at the principal mining centres in each State. | Average rates of wage are for occupations other than Masters, Officers, and Engineers in the Merchant Manue Service, and include value of voluntiling and accommodation, where provided, at 45s. per month, but does not include value of commission on bar sales to stewards. In the recent award for Masters and Officers on inter-State and intra-State merchant vessels, the annual value of victualling and accommodation, which was estimated in 1910 at £30, was computed to be £43 17s. § See footnotes to table on page 69.

Weighted Average Nominal Weekly and Hourly Rates of Wage payable to Adult Female Workers, and Weekly Hours of Labour, 31st December, 1917.

Industrial Groups.	Particulars.*	Sydney	Melbonrae.	Brisbane.	Adelaide.	Perth.	Hobart,	Average for Six Capital Towns.
III. Food, Drink, etc.	Weekly Wage Working Hours Hourly Wage	26/1 48.00 -/6½	27/1 48.00 -/61	26/5 48.00 -/61	23/3 48.00 -/52	21/3 48.00 -/51	24/9 48.00 -/61	26/4 48.00 -/61
IV. Clothing, Boots, etc. {	Weekly Wage Working Hours Hourly Wage	30/3 47.79 -/71	29/3 48.00 -/7‡	30/- 47.64 -/7	26/7 48.00 -/62	35/11 48.00 -/9	26/3 46.50 -/61	29/7 47.8 <del>6</del> -/78
1. (I. V. &VI. All other Manu-	Weekly Wage Working Hours Hourly Wage	29/10 47.17 -/7‡	30/11 47.90 -/7‡	47,43	33/3 47.50 -/81	::	32/- 48.00 -/8	30/4 47.57 -/7‡
XIII. Domestic, Hotels, etc. {	Weekly Wage† Working Hours Hourly Wage	33/5 51,01 -/7 <del>1</del>	31/5 59.46 -/74	38/10 52.50 -/7\$	50.67	42/5 49.60 -/104	32/8 58.00 -/61	38/5 51.13 -/74
XIV. Shop Assistants, Clerks, etc.	Weekly Wage Working Hours Hourly Wage	29/1 50.29 -/7	33/4 48.00 -/81	28/9 48.00 -/71	28/3 49.00 -/7		••	30/6 49.03 -/74
All Groups {	Weekly Wage Working Hours Hourly Wage	30/5 48.98 -/71	30/4 48.32 -/7}	30/5 48.99 -/7	48.73	38/10 48.78 -/91	28/5 49.83 -/61	30/5 48.71 -/71

<sup>\*</sup> The particulars relate to the Average Weighted weekly rates of wage, working hours and hourly wage, respectively.

† See footnote to table on page 69.

Relative Hours of Labour and Hourly Rates of Wage, 1914 to 1917 .-- Particulars are given in the following table, classified according to States for male and female occupations separately at 30th April, 1914, at the 31st December, 1914, 1915, 1916, and 1917. These particulars relate to (a) the weighted average weekly wage, (b) the weighted average number of working hours constituting a full week's work, and (c) the weighted average hourly wage. It should be observed that the weighted average weekly wage relates to all industrial classes combined, and includes the value of board and lodging where supplied in land occupations and the value of victualling in marine occupations, whereas the number of working hours, and the hourly wage relate to all industrial classes other than Groups XI. (Shipping), and XII. (Agricultural, Pastoral, etc.). Owing to the fact that many of the occupations included in these two groups are of a casual or seasonal nature, and that the hours of labour in these occupations are not generally regulated either by awards or determinations of industrial tribunals or otherwise, the necessary data for the computation of the average number of working hours are not available.

Weighted Average Nominal Weekly and Hourly Rates of Wage payable to Adult Workers, and Weekly Hours of Labour, 30th April, 1914, 31st December, 1914, 1915, 1916, and 1917.

Date.	Particulars.	N.S.W.	Vic.	Q'land.	S.A.,	W.A.	Tas.	C'with
-	;	ja:	IALE W	rkers.	·	·		
		i s, d,	s. d.	s. d.	s. d.	s. d.	8. d.	i š. d
0t)ı April, 1914.	Weekly Wage* Working Hours† Hourly Wage†	55 9 49.42 13.93d.	54 8 48.80 13.68 <i>d</i> .	52 8 48.78 13.45d.	54 4 48,60 13,84d.	62 2. 47.78 16,83d.	52 6 48.62 13,02d	55 1 48.93 13.96
1st Dec., 1914.	Weekly Wage* Working Hours†	s. d. 56 2 49,35 14.11d.	s. d. 54 7 48.66 13.82d.	s. d. 53 5 48.64 13.75d.	s. d. 54 5 48.59 13,86d.	s. d, 62 10 48.18 16.37d.	s. d. 52 8 48.62 13.07d.	s. d. 55 7 48.87 14.09 s. d.
1st Dec., 1915.	Weekly Wage* Working Hours†	s. d. 57 7 49.28 14.50d. s. d.	s. d. 55 3 48.50 14.05d. s. d.	s. d. 54 4 48.56 14,07d. s. d.	s. d. 54 8 48.50 13.98d. s. d.	s. d. 63 4 48.12 16.50d. s. d.	s. d. 53 2 48.56 13.20d.	s. d. 56 6 48.77 14.38
1st Dec , 1916	Weekly Wage* Working Hours† Hourly Wage†	61 11 48 51 15.73 <i>a</i> .	58 10 48.22 14.99d.	60 4 48 27 15 32d. s. d.	59 0 48,14 15.01¢	3. d, 65 2 48,11 16,84d s, d,	57 0 48.55 14.11d.	80 48.33 15.43 <i>d</i> 8. d
1st Dec., 1917	Weekly Wage* Working Hours† Hourly Wage‡	.64 5 48,41 16,22d,	63 0 48 14 15 89d.	65 3 47.19 16 88d.	8. d. 63 1 47.82 15 98d.	68 11 48.10 17.48d.	59 7 48.48 15.06d.	64 48,10 10 25d

#### FEMALE WORKERS.

		ε. d.	s, d	s. d.	s. d.	s. d.	ε. d.	s. d.
0041 111	(Weekly Wage	26 9	27 4	26 11	24 1	37 4	25 10	27 2
30th April,	Working Hours	49.34	48,54	49.32	49,33	48.69	50.76	49.08
1914.	Hourly Wage	6,51d.	6.78d.	6.48d.	5.85d.	9.20d.	6.11d.	6.64d.
		5. d.	s. d.	8. d.	8. d.	s. d.	's d.	s. d.
31st Dec	(Weekly Wage	26 10	27 9	27 1	24 1	37 4	25 10	27 5
1914.	Working Hours	49.34	48.54	49.82	49.33	49.44	50.78	49.11
1914.	Hourly Wage	6.53d.	6.87d.	6.53d.	5.85d.	9.06d.	6,11d.	6.70d.
		s. d.	s. d.	s. d.	s. d.	s. d	s, d.	s. d.
31st Dec.,	Weekly Wage	27 5	26 11	26 11	24 6	37 5	28 0	27 4
1915.	Working Hours	49.45	48.46	49.84	49.35	49.86	50.14	49.12
1010.	Hourly Wage	8.65d.	6.67d.	6.48¢.	5.96d	9.014.	6.71d.	6.684.
	l	s, $d$ ,	s. d.	3. d.	s, d.	s. d.	8. d.	s. d.
31st Dec.,	[ Weekly Wage	28 7	28 5	27 3	24 10	38 10	28 3	28 5
1916.	Working Hours	49.44	48.36	49.85	49.02	49.08	49 83	49.02
1010,	Hourly Wage	6.93d.	7.06d.	6.58d.	6.08d	9.50d.	6 82d.	6.96d
		s. d.	8. d.	s. d.	s. d.	s. d.	8 0.	B. 6.
31st Dec .	Weekly Wage	30 5	30 4	30 5	27 9	38 10	28 5	30 5
1917	{ Working Hours		48.32	48 99	48 73	48.78	49.83	48.71
	Hourly Wage	7.45d.	7.53d	7.45đ	6 82đ.	9.56d	6.83d.	7 50a.

<sup>·</sup> Weighted average weekly wage in all industrial classes combined.

From the foregoing table it may be seen that with the exception of Western Australia, there has been a diminution in each of the States in the number of working hours constituting a full week's work in both male and female occupations. The effect of these changes on the hourly rate of wage as compared to the general increase in the weekly wage is readily seen from the comparative index-numbers given in the following table. In each instance (male and female occupations separately) the basis taken is the weighted average for the Commonwealth at the 30th April, 1914, as base (= 1000).

<sup>†</sup> Weighted average working hours per week, and computed hourly rates of wage for all industrial classes excepting Classes XI. (Shipping, etc.), and XII. (Agricultural, Pastoral, etc.). Working hours have not been generally regulated by industrial tribunals for occupations classified in industrial Classes XI. and XII.

### Relative Index-numbers for Weekly and Hourly Weighted Average Wage, 30th April, 1914, 31st December, 1914, 1915, 1916 and 1917.\*

Note.—Weighted Average for the Commonwealth at 30th April, 1914, as base (= 1000).

Date.	Particulars.	N.S.W.	Vic.	Q'land,	8.A.	W.A.	Tas.	C'with
		м	ALE W	orkers.			_	_
30th April, 1914. 31st Dec., 1914. 31st Dec., 1915. 31st Dec., 1916. 31st Dec., 1917.	Weekly Wage Hourly Wage Weekly Wage Hourly Wage Jiourly Wage Weekly Wage Hourly Wage Hourly Wage Hourly Wage	998 1,019 1,010 1,044 1,039 1,123 1,127 1,168	984 980 990 990 1,002 1,006 1,067 1,074 1,143 1,138	955 963 969 985 986 1,008 1,006 1,097 1,183 1,209	986 991 988 998 992 1,001 1,071 1,075 1,144 1,145	1,128 1,170 1,140 1,173 1,149 1,182 1,182 1,286 1,250 1,252	952 933 956 936 965 946 1,034 1,011 1,081 1,079	1,000 1,000 1,008 1,009 1,023 1,030 1,100 1,105 1,164 1,164
	•	FE	MALE W	ORKERS				
30th April, 1914. 31st Dec., 1914. 31st Dec., 1915. 31st Dec., 1916. 31st Dec., 1917.	Weekly Wage Hourly Wage Weekly Wage Hourly Wage Weekly Wage Hourly Wage Hozly Wage Hozly Wage Hozly Wage Hozly Wage Hozly Wage	980 987 983 1,007 1,002 1,050 1,044 1,119	1,006 1,021 1,022 1,035 990 1,005 1,047 1,063 1,116 1,134	980 976 996 983 990 976 1,004 991 1,120 1,122	885 881 885 881 901 898 915 916 1.020 1,027	1,373 1,386 1,373 1,364 1,376 1,357 1,429 1,431 1,430 1,440	950 920 950 950 1,031 1,011 1,041 1,027 1,045	1,000 1,000 1,008 1,009 1,005 1,009 1,047 1,048 1,121 1,130

For details as to previous publications see footnote to table on page 80.

# SECTION IX.—VARIATIONS IN NOMINAL AND EFFECTIVE WAGES..

1: General.—From the beginning of the year 1913, records have been kept of all changes in rates of wage and hours of labour, the number of workers affected, and the methods by which such changes are brought about. The results of these records have been published in the quarterly Labour Bulletins and in Labour Reports Nos. 5, 6, and 7. In order to supplement the results thus obtained, investigations have been made regarding rates of wage in past years with a view to shewing their general trend in each State and in various industrial groups. The methods adopted for the collection of the data and computation of the results were explained in Report No. 2 (see pages 23-4), and will not be repeated here. The particulars given in this Section shew variations in nominal wages from year to year in each State and in various industrial groups. Index-numbers are also given shewing variations in effective wages in each State.