

f the	the State of Victoria, Season 1923-24.												
	1	PASTORA	L.			PRODUCE.	12.00						
Dairy Cows.	Other Cattle.	Horses.	Pigs.	Sheep.	Butter.	Wool.	Honey.						
No. 45,509	No. 123,032	No. 99,083	No. 42,824	No. 936,207	lb. 12,227,104	^{1b.} 5,754,830	lb. 60,932						
39,998	56,509	23,361	12,852	991,912	5,109,345	6,765,895	106,219						
91,496	176,825	63,750	54,194	3,789,393	25,405,903	29,528,156	402,976						
24,209	32,897	69,792	6,997	1,882,879	1,048,635	15,983,153	1,154,591						
22,162	26,636	65,471	10,098	549,681	2,125,957	4,742,775	27,619						
96,843	119,960	91,040	38,269	1,592,098	11,654,154	11,297,550	157,350						
70,234	137,366	32,088	20,882	700,038	7,060,509	4,527,066	95,380						
147,698	179,993	41,490	73,679	617,553	22,257,116	3,913,936	105,646						
738,149	853,218	486,075	259,795	11,059,761	86,888,723	82,513,361	2,110,713						

	- 180	TOTALS.									
moren		0-1	WHEA	л.	Wool.	LIVE	STOCK.				
- No	Year.	Averag	Area.	Average per Acre.	Total Production.	Cattle.	Sheep.				
	1919	22.77	Acres. 1,918,269	Bush. 7.75	16. 132,847,167	1,631,120	14,422,745				
BENAMBRA	1920	24.71	2,295,865	17 · 19	90,250,571	1,575,159	12,171,084				
RN	1921		2,611,198		and the state of the						
may .	1922	21.73	2,644,314	13.50	102,467,950	1,785,660	11,765,520				
	1923	26·12	2,454,117	15-40	82,513,361	1,591,367	11,059,761				
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118	5		Bendock «	-			En				
ТАМВО	(/		2				
ARGO Buchan	150		CROA	JING	DLONG		~ ~				
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VICTORIA.

Statistics of Wheat, Wool, Live Stock and Rainfall in each District for 5 years; and Agricultural and Pastoral Statistics in detail, for the Season 1923-24.

> Scale of Miles Nept of Lands & Survey Malb.

PRODUCTION.

LAND SETTLEMENT, ETC.

The total area of the State is 56,245,760 acres. This comprises-

					Acres.
Lands alienated	l in fee si	mple	•	••	$25,\!152,\!534$
Lands in proces				••	8,342,846
Crown lands	••	••	• • *	••	22,750,380
Total	••	••	 .	••	56,245,760
The Crown lands c	omprise				
Permanent fore	sts (unde	r Fores	sts Act)		3,389,583
Timber reserves	s (under]	Forests	Act)	• • •	734,555
State forests an	d Timbe	r reserv	es (under	Land	
Act)	••	••	• • •		329,600
Water reserves	••	· • •		• •	314,616
Reserves for Ag	ricultura	1 Colles	ges, &c.	•••	85,590
Reserves in the			••		397,881
Other reserves	••		••		302,917
Roads	••	••	••		1,777,319
Water frontages unsold land in	n cities, t	owns, a			3,000,918
Land in occupa		e r			
Perpetual l		· • •	••	• •	108,633
Other lease	es and lic	ences	••	••	88,658
Temporary	grazing	licence	s	•••	9,053,128
Unoccupied	••	••	••	••	3,166,982
\mathbf{Total}	••	•••	••	•	22,750,380

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Allenation of land.

In the following table are shown the area of Crown lands sold absolutely and conditionally, and the area of lands alienated in fee simple in each year since 1913.

A portion of the area conditionally sold reverts to the Crown each year in consequence of the non-fulfilment of conditions by the selectors. The lands alienated each year include areas selected in previous years.

	Year.		Area of Crow	n Lands Sold.	Crown Lands alienated in Fee Simple.		
	· ·		Absolutely, at Auction, &c.	Conditionally to Selectors.*	Area.	Purchase Money.	
			Acres.	• Acres.	Acres.	£	
1914	••		3,710	166,026	129,525	145,003	
1915	•••	••	3,287	129,232	117,257	113,167	
1916	• •		2,061	140,341	89,203	80,238	
1917	••		2,075	89,164	82,042	79,992	
1918	••	••	1,760	74,514	76,064	78,235	
1919			1,166	70,729	102,294	114,654	
1920	••	••	3,125	102,534	187,228	192,861	
1921	••	••	1,800	99,519	110,056	100,890	
1922	••	••	2,658	186,686	106,485	118,698	
1923		••	3,015	200,517	142,940	167,669	

ALIENATION OF CROWN LANDS, 1914 to 1923.

* Exclusive of Mallee selectors.

Amount realized by sale of Crown lands. From the period of the first settlement of the State to the end of 1923 the amount realized by the sale of Crown lands was $\pounds 34,339,213$, which represents an average of $\pounds 1$ 0s. 7d. per acre for all lands alienated or in process of

alienation. Payment of a considerable portion of this amount extended over a series of years without interest, upon very easy terms.

446

Lands remaining for disposal.

The next table shows the whole of the unalienated lands of the Crown remaining for disposal :---

CROWN LANDS REMAINING FOR DISPOSAL ON 31st DECEMBER, 1923.

					Classificatio	on.		
	Location.		A	gricultura	and Graz	ing.		Total.
•	Location.		First.	Second.	Third.	Un- classed.	Auri- ferous.	TOTAT.
			Acres.	Acres.				
Buln Buln	County.		4,126	29,983	Acres. 79.769	Acres.	Acres.	Acres.
		. ••				837,400	13,850	113,87
roajingolo	ıg		2,510	4,450	584,975 105,748	241,100	72,000	1,443,18
Dargo	•• ••	••		1		378,850	900	418,84
lambo	•• .••	••		··· [218.860	361,650	67,000	598,61
l'anjil Konnengat		••		39	110.000	879,197	01,000	538,65
Wonnangat		••	1,712	14,019	215.043	158,724	106.718	1,039,92
Bogong Benambra	•• ••		1,112	403	305,770	316,474	90,811	496,21 713,45
Delatite	•• ••	••	510	18,612	220,353	230,050	61,333	530.85
loira	•• ••	••	546	409	11.116		01,555	
Inglesev	•• ••	••		3,924	81,471		3,210	12,07
Bourke	•• ••	••)	162	01,11		3,210	88,66 16
Dalhousie	••	••	••	814	2,673	••	5,427	
Svelvn	•• ••	••		13,237	2,073		1,639	8,91 15,26
	•• ••	••		994	7,378		1,000	
fornington		••	80	735		1	4,317	8,37
Bendigo	•• ••	••	00	351	2,358	1	2,420	7,49
Rodney	•• ••			667	71,915	423	5,729	2,77
Borung	•• •• •	••	450	1,182		420		78,73
Hadstone	•• • ••	••	400	604	2,349	10,608	16,098	20,07
lowan Kara Kara	•• ••	• ••		126	190,566	10,008	4.379	201,77
	••	••	50	546	278	••		8,13
albot	•• •		50	340	2/8		44,500	45,37
atchera	•• ••	••			100 704	•••		105 07
leytesbury		••	10:057	1,176 16,707	166,504			167,68
Polwarth	••	• • •	13,257		28,518		14 001	58,48
Frant	•• ••	••		155 321	25,252	· · ·	14,991	40,39
Frenville	•• ••	••	99	380	01 100		12,574	12,99
lipon Iormanhu	•• ••	••		267	24,466 132,871	8.810	4,495	29,34
formanby	•• ••	•••		407		15,754	••	141,94
Oundas Villiers	•• . ••	••			53,138 1,893	10,104		68,89
Follett	•• ••	• ••		1,252	1,893	39,199		1,89 222,11
	Fotals		23,364	111,585	2,989,609	3,478,239	532,391	7,135,18
hroughout	the State	••			ed lands .			1,68
"	,,,		Lands w	vhich may	be sold by	auction		7,64
The north-v State	vestern portio	n of the	Mallee lasse	ands (such d 1st, 2nd	as are suita , or 3rd cla	ble to be evas for selec	tion .	5,075,58
·· · ·	Fotal area rei	noining f	an dienoea					12,220,11

Much of the land included in the above statement is temporarily leased under grazing licences.

The particulars of Crown lands for which licences had Pastoral occupation of been issued for pastoral occupation on 31st December, 1923, are as follows :---

Number of Licences	••	••	• •	6,276
Area (acres)	••	••	• • •	9,053,128
Annual Rental	••	••	••	$\pounds 29,016$

Persons who may select land.

Any person of the age of 18 years or upwards is eligible to apply to select under the Land Acts a prescribed area varying according to the classification of the land-less the

area of previous selections.

land seekers.

The Lands Inquiry Branch gives information to Concessions to intending applicants and issues concession warrants for half fares on Victorian Railways to persons travelling to make inspection or take possession of land.

An applicant may select in the Mallee, under Selection Area that may Purchase Lease, 640 acres of first class, 1,000 acres of be selected. second class, 1,280 acres of third class, or 1,600 acres of fourth class land, or 4,000 acres of land classed 4A; and, in addition, may acquire privately an area equivalent to that which he selects

from the Crown.

Grazing licences

only granted for waste lands of the Crown until required under the principal sections of the Act.

Land Laws.

A conspectus of the provisions of the Victorian Land Acts appears in the Year-Book for 1916-17 and previous issues.

Grazing licences are renewable annually, and are

The "Torrens System," whereby persons acquiring Transfer of possession of land may receive a clear title, was introduced Land Act. into Victoria in 1862. The system has been the means of simplifying procedure in connexion with the transferring of land. It gives a title to the transferee free of any latent defect and reduces the cost of dealing in real estate by reason of the simplicity of the procedure. All land parted with by the Crown since 1862 is under the operation of the Transfer of Land Act, and the Crown grant issues through the Titles Office; but, to bring under the Act land that was parted with prior to that year, application must be made accompanied by strict proofs of the applicant's interest in the property. During 1923 there were submitted 542 applications to have brought under the Act land amounting to 9,623 acres in extent, and to £673,983 in value; whilst the land actually brought under the Act during the year by application was 12,439 acres valued at £708,410. Up to the end of 1923 there had been brought under the Act 3,097,626 acres valued at £63,599,745.

448

Assurance Fund. When application is made to have land brought under the Transfer of Land Act, a contribution to the assurance

fund of ¹/₄d. in the £1 on the value of the land is levied on the applicant to assure and indemnify the Government in granting a clear title against all the world, as some other person may have a latent interest in the property, and it may be necessary for the Government to recompense such person out of the fund for the loss of his interest. Receipts during 1923-24 comprised contributions £2.086, interest on stock £2,845, and interest on £75,073-advanced under The Protection of Public Buildings Act 1885-£3,003. During the year no payment was made out of the fund in settlement of claims, but £6,637 was paid as interest on securities under the Special Funds Act 1920, No. 3067, and £10,000 as a contribution to the Students' Loan Fund, under Act No. 3285. The balance at the credit of the assurance fund on 30th June, 1924, was £154,309. The amount paid up to 30th June, 1924, as compensation and for judgments recovered, including costs, was £7,953.

CLOSER SETTLEMENT.

Closer Settlement. Under the provisions of the Closer Settlement Act the Closer Settlement Board is empowered to expend at the rate of £500,000 per annum in the purchase—either by

voluntary or compulsory acquisition—of lands (whether privately owned or held under lease from the Crown) for subdivision into suitable allotments according to the class of the land, and for disposal by the Board to eligible applicants, as stated hereafter. Lands well adapted for settlement are thus made available in those portions of the State in which railways, water supply and markets are provided, and in which roads and other facilities are good. The areas purchased comprise ordinary farming lands in a more or less improved condition, and lands in irrigated districts with plentiful supplies of water for irrigation.

Every application for a Closer Settlement allotment must be accompanied by the registration fee of 5s., a lease fee of £1, and a deposit (equal to 3 per cent. of the capital value of the land) which is deducted from the purchase money. The applicant is required to give evidence of suitability and fitness, &c., to occupy the land. If successful, a permit giving immediate possession is issued (followed by a lease as soon as practicable), and no further payment is required for six months. If the application be refused, the amount forwarded as a deposit in respect of the purchase money and the lease fee are returned to the unsuccessful applicant, but the registration fee is retained. Only one allotment of the maximum value can be granted to any one person, and the principle of residence for eight months in each year is a condition of the lease.

In addition to the provisions for the purchase of large estates for subdivision, the Closer Settlement Act provides that any one or more persons, who are eligible to acquire a farm allotment under the Closer Settlement Act, may enter into a provisional agreement with the owner of a block of private land for the purchase thereof, and acquire it through the Closer Settlement Board-vide section 20, Act $26\bar{2}9.$ The value of the land must not exceed the maximum allowed An application on the proper form must be filled in, under the Act. and the agreement with full details and the application must be lodged with the Board, together with a valuation fee of £4. Where the agreement is submitted on behalf of more than one applicant, an additional fee of £2 must be lodged in respect of each additional The fee may be returned if, after a preliminary inspecapplicant. tion, the Board does not approve of the application. Should the Board decide to acquire the land, the purchaser is required to deposit an amount not exceeding four half-yearly instalments, and is otherwise subject to all the provisions of the Closer Settlement Act with regard to payments, residence, improvements, &c.

Repurchased lands are disposed of as farm allotments, agricultural labourers' allotments, and workmen's home allotments under conditional purchase lease. The principal terms of these leases, as regards farm allotments, are briefly stated herein. They are given in detail in each title as issued.

Conditional purchase leases are granted to successful applicants under the Closer Settlement Act, and are for such a term not exceeding $36\frac{1}{2}$ years as may be agreed upon between the lessee and the Board. The purchase money is payable by 73 or a less number of half-yearly instalments. In some cases the Board has granted applications for extension of payments under a lease to $46\frac{1}{2}$ years, the payments being by 93 half-yearly instalments. The deposit lodged with the application is credited as part of the principal, and the balance bears interest at 5 per cent. Each instalment includes interest upon the balance of purchase money remaining unpaid, and is 3 per cent. half-yearly (6 per cent. per annum) of the capital value of the allotment (less the amount of the deposit). Payments in advance may be made at any time, at the option of the lessee, and a proportionate reduction of interest secured thereby.

In special cases, when a lessee is unable to meet the instalments of purchase money as they fall due. the Board has power to suspend such payments up to an amount not exceeding 60 per cent. of the value of the improvements effected by him. Interest at the rate of 5 per cent. per annum is charged on the amount in arrear or on any instalments which may have been suspended.

The lessee must reside on the allotment for eight months during each year. Personal residence by the lessee's wife, or child over 18 years of age, or parent dependent for support, may, with the approval of the Board, be considered personal residence by the lessee. A farm

lessee cannot transfer, assign, mortgage, or sublet the whole or any part of his allotment within the first three years of the lease. The Crown grant may be issued to the lessee at the end of any half-year after the first twelve years have expired, on payment of the balance of purchase money. The residence condition is not carried into the Crown grant.

Farm allotments. Lands for farm allotments are subdivided into suitable areas, of which none must exceed in value £2,500 except

in the case of blocks mainly consisting of grazing land, when the value may be increased to £3,500; and no lease of any of these areas can be granted to a person who at the date of application is directly or indirectly the owner of any other land in Victoria (township land excepted) the value of which, together with that of the allotment applied for, exceeds the amount stated. Improvements of a permanent and substantial character must be effected by the lessee of a farm allotment to the value of at least two instalments of the purchase money before the end of the first year from the date of the lease, 10 per cent. of the purchase money before the end of the third year, and a further 10 per cent. before the end of the sixth year. Improvements must thus be made to the value of at least 20 per cent. of the total purchase money payable for the allotment. If an approved deputy is fulfilling the residential condition, the value of the improvements must be at least 30 per cent. of the total purchase money. If they are made in excess of requirements during the first three years, the excess is set off against the expenditure necessary by the end of the sixth year. Where special circumstances warrant action, the Minister, upon the recommendation of the Board, may modify the improvement conditions.

Advances to settlers.

The Closer Settlement Act provides for advances by the Closer Settlement Board to settlers who are—

- (a) Lessees under the Closer Settlement Act 1915.
- (b) Licensees of an agricultural or grazing allotment under the Land Act 1915.
- (c) Licensees under section 86 of the Land Act 1915 or corresponding sections of any repealed Act.
- (d) Conditional purchase lessees under the Land Act 1915; or
- (e) Conditional purchase lessees under the Murray Settlements Act, now Section 245, Land Act 1915.
- (f) Selection purchase lessees under Sections 46 and 50, Land Act 1915, during the first six years of the term of the leases.
- (g) Perpetual lessees under Section 54, Land Act 1915.

Advances of money to assist in effecting improvements may be granted by the Board up to 80 per cent. of the value of the permanent improvements effected, such advances to be repaid by half-yearly instalments extending over twenty years, bearing interest at 5 per cent. Advances to acquire stock and for the purchase of seed, manure, and implements can also be made. The total advances for all purposes must not exceed $\pounds 625$.

Advances not exceeding £250 may be made to persons holding approved share-farming or leasing agreements, for the purchase of stock and implements, and for such other purposes as the Board thinks fit, to enable them to carry out the share-farming or leasing agreement.

The period for repaying the advances on improvements is usually limited to twenty years, and for live stock, seed, manure, and implements, to three years, interest at 5 per cent. per annum being charged on the unpaid balance of the amount advanced.

Group Settlement in Mountainous Areas.

Land may be acquired by the Board in mountainous areas for disposal to any group of settlers (not being less than five), and provision is made for freedom from payment of instalments for any period not exceeding ten years,

subject to certain improvement conditions. Special provision is also made to enable the Board to provide road access to such areas. Interest at the rate of 5 per cent. per annum for the free period fixed by the Minister of Lands will be added to the capital value of the allotment, and will be repaid as part of the instalments of purchase money.

The Board may authorize an advance to be made for the purpose of clearing and improving the land, and may make progress payments to the lessee as the work for which the advance is intended progresses.

The Board will also assist in the erection of the dwelling-house and out-buildings required for the allotment. Advances made by the Board for this purpose are repayable on the same terms as those made to assist in effecting improvements which are referred to above.

Wire netting advances. Advances of wire netting may also be made under the Closer Settlement Acts to owners of land—

- (a) if such land is held under conditions set forth in the Closer Settlement Acts; or
- (b) if such land immediately adjoins any unoccupied Crown land or is not included in any municipality.

The wire netting supplied is No. 17 gauge, $1\frac{1}{4}$ -in. mesh, 42 inches wide, and is supplied in rolls of not less than 100 yards. Each advance is limited to a quantity sufficient for 6 miles of vermin-proof fencing, and the price of the wire netting is deemed to be the amount of the advance, which is repayable by a cash payment or on terms over a period not exceeding ten years, with interest at 4 per cent. per annum.

Estates Apart from the estates purchased for discharged purchased. soldiers' settlement (vide page 457) the following is a complete statement of all estates acquired by the Closer Settlement Board for the purpose of closer settlement at 30th June, 1924, including

those purchased by the State Rivers and Water Supply Commission, *i.e.*, estates in irrigable areas :---

CLOSER SETTLEMENT ESTATES AT 30th JUNE, 1924.

		Esta	tes.	N	o, of Less	ees	
Estates.	Area.	Purchase Money, including Discount on Stock or Debentures	Total Cost to Date.	Farm Allot- ments.	Work- men's Home Allot- ments.	Agricul- tural La- bourers' Allot- ments.	Areas available for Allot- ment.
Dry Areas.	acres.	£	£				acres.
Farms— Allambee	5,025	31,794	35,107	24			1,083
Allendale	1,108	9,728	9,750	7			1,000
Balure	183	1,463	1,494	••		10	••
Bamawm	168	1,391	1,390	•••	••		••
Bellarine	204	5,457	7,009	6			65
Belmont	113	3,161	5,766	42	••	17	••
Boisdale Bona Vista	$2,521 \\ 2,060$	$\begin{array}{c} 72,174 \\ 28,832 \end{array}$	$74,763 \\ 33,580$	42 23		4	••
Boorool,	2,221	45,810	46,012	4	••		1,636
Chester	1,069	12,024	12,024	$\hat{4}$.,
Cohuna	223	2,215	2,238	2			
Colbinabbin	19,163	110,198	114,754	87	••	••	••
Condah Cornelia Creek	$157 \\ 29,567$	$1,725 \\ 121,034$	1,725 125,444	••76	••	· • •	•• .
Charlen and a	1,292	20,140	21,923	10		1	••
Crystal Waters	1,036	8,159	8,196			· · ·	1,036
Daylesford	70	2,957	5,312	14	••		••
Deepdene	2,964	35,742	36,711	13	•• `		
Doogalook	4,640	29,002	29,753	$16 \\ 56$	••		••
Dunrobin	18,814 331	119,779 3,200	$123,372 \\ 3,258$	56 7	••	23	••
Edeyrn	1,991	10,455	10,501	· 4	••] • • •	2,015
Englefield	11,242	33,302	33,564	4			4,709
Ercildoune	1,190	12,199	12,214	7			••
Eumeralla	10,034	57,570	61,045	34	••	6	••
Eurack	5,109	53,640	57,216	45	••		• • •
Exford	8,005 560	$ \begin{array}{c} 64,039\\ 21,575 \end{array} $	$\begin{array}{c} 67,584 \\ 21,660 \end{array}$	43 6	••	6	••
Glenaladale	2,110	28,787	29,464	16	•••		••
Glendenning and			20,101			.,	
Melville Forest	43,800	153,453	154,576	38	••		6,516
Greenvale	304	7,298	7,335	4	••		••
Heart	3,793 424	56,322	58,567	38	••		•• *
Highton Hogan's	424	$ \begin{array}{c} 11,032 \\ 6,197 \end{array} $	$15,467 \\ 6,345$	18 9	••		••
Hogan's	6,493	31,311	31,573	14	••		••
Inverary	1,258	7,548	7.647	26			
Keayang	1,497	14,966	7,647 16,389	· 12	••		
Kenilworth	18,440	55,321	56,286	29	••	12	
Kilmany Park	8,746 32,018	106,080	108,496	70	••	••	
Kongbool	10,180	$\begin{array}{c} 111,\!148 \\ 104,\!363 \end{array}$	$111,867 \\ 106,657$	28 62	••		1,893
Koyuga	790	3,914	3,914	2		10	••
Laidlaw's	1,047	7,325	7,373	3			
Lara	8,332	45,825	48,082	32	.:	7	
Leslie Manor	18,005	121,085	121,813	31	••		3,207
Mackey Marathon and Wil-	1,078	20,626	20,635	••	••		••
low-grove	14,782	58,752	60,550	26			
Maribyrnong	1,112	10,842	11,068	12		2	
Meadowbank	313	9,085	9,608	4			
Memsie	10,027	57,159	57,525	45	•• *		••
Moralla	17,199	60,197	63,036	26	•• **		••
Mordialloc	460 8,029	7,850 39,533	$13,303 \\ 39,944$	31 20	· · `.		•••
Mount Widderin	8,029	48.634	$39,944 \\ 49,878$	11			
Moyhu	2,417	19,581	20,337	22			

CLOSER SETTLEMENT ESTATES AT 30TH JUNE, 1924-continued.

•		Esta	ates.	No	of Lesse	es.	
Estates.	Area.	Purchase Money, including Discount on Stock or Debentures	Total Cost to Date.	Farm Allot- ments.	Work- men's Home Allot- ments.	Agricul- tural La- bourers' Allot- ments.	Areas available for Allot- ment.
Dry Areas—continued.	acres.	£	£				acres.
Farms—continued.							
Mundara	1,915 738	16,516 7,767	16,589	••• •	••		1,915
Nanneella	9,198	60,873	7,842 61,323	6 4	••	13	3,295
Nathalia	30	361	388		••	5	
Nerrin Nerrin	7,740	67,915	69,242	28		1	
Numurkah	2,363	18,901	19,004	12		1	
Oaklands	8,050	26,309	26,749	10	• • .	· · ·	
Overnewton	11,485	71,492	73,340	67		[(
Pannoo Pirron Yalloak	$15,101 \\ 1,059$	98,455	100,609	41 21	••		· · ·
Restdown	17,894	23,796 60,391	25,108 61,409	52	••		••
Richmond Vale	1,539	11,000	$61,409 \\ 11,137$	10		1	
Romsey	$1,539 \\ 285$	8,834	8,935 389,426	14	••		115
Section 20	54,879	386,507	389,426	250	••	2	••
Shepparton (Ascot	408	0.071	0.071			1	
Park) Springs	488 398	3,671 2,290	$3,671 \\ 2,318$	8	••	[••	[
Springvale	3,396	25,895	26,318	22			••
Squattleseamere	8.217	54,436	54.676	$\overline{12}$			4,424
Staughton Vale	9,847	66,466	68,023	41			
Stoneyhurst	1,886 10,228	33,030	$\begin{array}{c} 68,023\\ 33,261 \end{array}$		••		1,868
Strathkellar	10,228	74,150	76,458 21,240 15,783	60 10	••	. 2	
Tandarra Thomastown	4,558 581	$21,083 \\ 11,230$	21,240 15 799	19 26	••		••
Tipperary Park	657	4,764	4,785	20	••	1	
Walmer	13,769	44,751	46,827	41		2	
Wando Vale	10,446	63,985	66,840	67	••		
Wangaratta	794	9,659	15,530	29	••		
Warragul	98	2,060	3,295	7		1	••
Waubra	46 3,021	1,042	1,164	$10 \\ 13$	••	3	••
Wein Wein Gurk Werneth	5,021 6 595	8,684 31,043	8,964 31,778 164,332	13 21	••		
Werribee	$^{6,585}_{15,218}$	148,802	164 332	35			
Whitfield	4,247	36,096	38,366	34		1	
Willows	380	5,131	5,165	. 3	••		
Woolongoon	14,320	100,405	101,003	23	••	••	2,276
Wootong Vale	11,560	57,500	57,851	18	••		
Wyuna Land purchased for	23,024	120,876	124,640	114	••	10	••
Discharged Sol-			1				ļ
diers, but granted		1 1	í í				1
to civilians under		.					
Closer Settlement						1	
Acts	62,685	451,787	451,975	241	•• .		•••
under Discharged							
Soldiers' Settle-		ļ					1
ment Acts	• • •			137			
Purchases for Im-							
migration	5,920	103,056	103,236	5	••	•	4,822
	697,136	4,464,008	4,599,700	2,651		146	41,532
Crown Lands (Farms)-							
Inverloch	220	693	693	1			1
Leongatha	53	1,325	1,325	1			
Mortlake	2,350	10,945	10,945	10			
Newtown	157	1,955	3,496	4	••		
	0.700	14 01 2	10.450			1.5	
1	2,780	14,918	16,459	18	••	17	

CLOSER SETTLEMENT ESTATES AT 30TH JUNE, 1924-continued.

		Esta	tes.	No	of Lesse	es.	
Estates.	Агеа.	Purchase Money, including Discount on Stock or Debentures	Total Cost to Date.	Farm Allot- ments.	Work- men's Home Allot- ments.	Agricul- tural La- bourers' Allot- ments.	Areas available for Allot- ment,
Dry Areas continued.	acres.	£	£				acres.
Workmen's Homes Brunswick	91	2,792	3,349		56		
Cadman's	18	844	1,627	,.	42		••
Dal Campbell Footseray	45 31	2,358	$3,458 \\ 3,794$. ••	63 85	••	••
Glenhuntly	51 74	2,494 7,040	12.049		158		••
Pender's Grove	233	23,337	33,243		259		
Phœnix	23	968	2,338		47		•,•
Tooronga	101	17,675	27,601		210		
Thornbury	11	5,625	7,086		47		
	627	63,133	94,545		967		
Crown Lands (Work- men's Homes)							
Dowling Forest	225	1,350	1,376		15		·
Geelong	3	300	2,347		10		
Maddingley Warrnambool	13 46	1,300	1,300	••	13 25		••
Werribee Police	40	1,188	1,188	••	- 20	••	••
Paddock	57	•1,680	1,701.	••	16		
	344	5,818	7,912	••	79	·	
Irrigable Areas.			· · ·				
Farms-	10.000		101000		-		
Bamawm Berrys'	$13,362 \\ 343$	122,944 3,426	$134,823 \\ 3,450$	$\begin{array}{c}141\\10\end{array}$	••	11	• •.
Cohuna	11.543	114.856	121,02	103	••		
Cornelia Creek	2,507	16,501	19,823	7			194
Dingee	470	4,160	4,617	. 5	••	. 8	,.
Echuca	3,235	29,142	31,471	26 32	••	· · ·	•••
Koondrook Koyuga	3,422 4,173	23,202 36,228	$23,964 \\ 40,402$	36		14	· · ·
Kyabram	3,049	36,091	38,508	18		7	118
Nanneella	8,565	78,654	84,105	87	••	2	30
Nyah	35	120	605	2	••		
Section 20 Shepparton	82) 9,242	12,719 136,839	$12,768 \\ 152,979$	$\begin{array}{c} 10 \\ 190 \end{array}$	••	40	
Stanhope	20,889	228,630	233,270	67		11	1,219
Swan Hill	6,878	71,817	82,363	123		1	
Tongala	15,228	172,395	190,382	153		21	146
Werribee Land purchased for	7,996	153,871	166,016	104	••	20	434
Discharged Sol-						Î	
diers, but granted							
to civilians under							1.1.1.1.1.1
Closer Settlement	0 500	109 749	100 079	215			
Acts Land disposed of	8,592	108,748	108,873	215	••	••	•••
under Discharged]
Soldiers Settle-							
ment Acts	·· '			450			
Purchases for Im-	30 5004	476 401	477 999	73			9076
migration	30,598†	476,461	477,332				2,072
Crown Lands-	150,956	1,826,804	1,926,903	1,852	•••	141	4,926
Swan Hill No. 3	655‡	2,450	2,528	••			
	852,498	6,377,131	6,648,047	4,521	1,046	304	46,458

† Partly subdivided.

1 Included in Swan Hill Estate.

NOTE.—The 'total cost to date of estates comprises the following items :—Purchase money, expenses prior to disposal, public works, and interest capitalized.

Up to 30th June, 1924, the Board had acquired 164 properties, with a total area of 852,489 acres, of which 46,458 acres were then available for allotment. Of the estates acquired, an area of 16,959 acres had been used at the date mentioned for settlement of migrants from overseas. Portions of estates, amounting in the aggregate to 48,811 acres, have been sold by public competition and for public reserves without any restrictions, and are not under conditional purchase lease.

Up to the end of June, 1924, 587 allotments, containing 53,835 acres, had been sold to discharged soldiers and transferred to the Discharged Soldiers Settlement Act.

Extent of The extent of the settlement effected by the Board up Gloser to 30th June, 1924, is given in the next statement.

SUMMARY OF CLOSER SETTLEMENT TO 30th JUNE, 1924.

Number.	Average Capital Value.	Average Area.	Total Area.
· No.	£	Acres.	Acres.
0.004	1 004		
			670,081
			3,675
1,046	90	$\frac{3}{4}$	784
1	•		
587	958	92	53,835
	•••	•••	48,811
• ••	••	••	777,186
Allotmen	ts		46,458
			1,089
			22,749
		••	5,016
une, 1924	••		852,498
	No. 3,934 304 1,046 587 Allotmen s, reserves	Number. Capital Value. No. £ 3,934 1,224 304 136 1,046 90 587 958 Allotments	Number. Capital Value. Average Area. No. £ Acres. 3,934 1,224 170 304 136 12 1,046 90 3 587 958 92 Allotments s, reserves, &c.)

closer Settlement Farm Allotments. The next table shows the extent of operations with regard to Farm Allotments up to 30th June, 1920, and progressive totals for each of the following years :---

FARM	ALLOTMENTS—EXTENT OF	OPERATIONS	\mathbf{TO}	\mathbf{THE}
	YEARS 1920 то	1924.		

Year ended 30th June.		Number.	Total Area.	Average Area.	Total Capital Value.	Average Capital Value.	
				Acres.	Acres.	£	£
1920			3,060	471,239	154	3,418,020	i,117
1921	• •		3,090	470,967	152\$	3,429,900	1,110
1922			3,168	478,683	151	3,481,632	1,099
1923			3,403	525,434	151	3,828,375	1.125
1924	•••		3.934	670,081	170	4.815.216	1.224

456

The sum of $\pm 5,193,488$ had been repaid to the Closer Settlement Fund up to 30th June, 1924. Of that amount $\pm 2,390,673$ had been transferred to revenue to meet interest due to stockholders, $\pm 90,000$ had been invested to replace amounts written off estates re-valued, $\pm 100,000$ had been placed in securities under the Discharged Soldiers Settlement Acts, and $\pm 2,518,716$ had been utilized for redemption and cancellation of stock and for capital and working expenditure, the balance to the credit of the fund on 30th June, 1924, being $\pm 94,099$. The balance of unredeemed securities is now $\pm 5,216,390$, on which the interest payable amounts to $\pm 217,567$ per annum. Up to 30th June, 1924, 13,663 applications for advances aggregating $\pm 1,394,934$ had been approved, and that amount had been advanced to effect improvements, or upon improvements already effected by lessees.

Discharged Soldiers Settlement. By Acts 2916 of 1917, 2988 of 1918, 3039 of 1919, 3061 of 1920, 3130 of 1921, and 3253 of 1922, provision was made for the settlement of discharged soldiers on the land and for other matters. The operation of these acts is under the closer settlement areas under irrigation conditions, and situated within an Irrigation and Water Suppy District within the meaning of the Water Act 1915, are managed by the State Rivers and Water Supply Commission.

Up to 30th June, 1924, the Closer Settlement Board and the State Rivers and Water Supply Commission had specially purchased for the settlement of soldiers 1,744,111 acres at a cost of £13,214,902. The number of soldiers settled up to that date was as follows :--

On land specially purchased by the Closer Settlement Board On land specially purchased by the State Rivers and Water	6,282
Supply Commission	1,410
On Closer Settlement old estates—Dry areas	36
On Closer Settlement old estates-Irrigable areas	567
On Crown Lands—Ordinary and Mallee Areas	1,270
On Crown Lands—Merbein and Nyah Irrigation Areas	186
Soldiers receiving assistance from the Closer Settlement	
Board, on share farming, leasing agreements and	
freehold land	814
	<u></u>

Total

10,565

In addition to the above there were available or in process of being made available 18 allotments, of which 1 was on land specially purchased by the Closer Settlement Board, and 17 were on Crown land. There were also 952 blocks available under ordinary Closer Settlement conditions, for which returned soldiers could apply.

Up to the end of June, 1924, the amount of assistance rendered by the Board to soldier settlers by way of advances was £6,223,942.

WATERWORKS.

All Victorian waterworks are controlled by official bodies, either State or local. The following table summarizes those waterworks on which the Government has expended or advanced moneys, and includes practically all waterworks in the State other than minor works constructed by municipalities out of municipal funds :---

WATERWORKS—CAPITAL EXPENDITURE AND ADVANCES BY STATE TO 30th JUNE, 1923.

Controlling Bodies.	Purposes of Supply.	Storage Capacity of Reservoirs.	Capital Expenditure and Advances by State.
State Rivers and Water Supply Commission—		Gallons.	£
Coliban System	Domestic and Mining	10,855,000,000	1,290,663
Broken River Works	Stock and Domestic	Acre feet.	14,853
Goulburn-Waranga	Irrigation, &c	330,000	1,724,377
North-west (Kerang) Lakes	Stock and Domestic	88,500	18,778
Kow Swamp Works	Irrigation, &c	40,860	187,566
Loddon River Works Sugarloaf Reservoir (under	, <u>,</u> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	14,000	167,636
construction)	77 95 ••	300,000	867,512
Glenmaggie Reservoir	»» »» ···	150,000 Cubic feet.	207,160
Lake Lonsdale Reservoir Lower Wimmera Compen-	Stock and Domestic	1,981,000,000	49,054
sation Works Long Lake Pumping	39 3 7	125,000,000	8,558
Works)	166,000,000	27,346
Bacchus Marsh and Wer-		Acre feet.	
ribee Scheme Irrigation and Water	Irrigation, &c	, 31,850	166,909
Supply Districts (23)	····	••	2,216,892
Waterworks Districts (23) First Mildura Irrigation and	Stock and Domestic	••	2,093,286
Water Supply Trust	Irrigation	Gallons.	117,018
Waterworks Trusts (98)	Stock and Domestic	1,180,000,000	1,278,847
Municipal Corporations (29) Abolished Irrigation and	23 33	3,110,000,000	785,602
Water Supply Trusts (8)	Irrigation	•••	32,724
Miscellaneous Expenditure		• • •	178,647
Melbourne and Metropolitan			
Board of Works	Domestic	6,460,000,000	5,675,755
Geelong Waterworks and		· ·	
Sewerage Trust	,, ,, ,,	2,703,967,000	633,057
Total	•••••		17,742,240

Of the expenditure given in the case of the Melbourne waterworks, \pounds 3,189,934 represents money borrowed by the State, \pounds 2,251,752 of which had been redeemed at 30th June, 1923— \pounds 800,000 out of consolidated revenue, and \pounds 1,451,752 by payments from the Melbourne and Metropolitan Board of Works, to which body the waterworks were transferred in 1891. The loan liability to the State of the Melbourne and Metropolitan Board of Works on the above date was £938,182. Further particulars relating to this Board will be found on page 223, Part V., of this volume.

The Geelong Waterworks were sold by the Government to the Geelong Waterworks and Sewerage Trust in 1908 for £265,000. The expenditure shown in the above table includes, in addition to this amount, the outstanding State loan liability on account of the works, viz., £155,577, and the capital expenditure by the Trust since acquiring the works, viz., £212,480.

Expenditure and Advances for Waterworks. The next table summarizes the amounts disbursed on State works and those granted and lent to local bodies by the State on account of waterworks. In addition to their receiving free grants large sums have been written off the liabilities of the local bodies.

CAPITAL EXPENDITURE AND LOANS FOR WATERWORKS.

	Expendi- ture and Advances by State.	Interest Capi- talized.	Free State Grants.	Capital Written Off.	Payments towards Redemp- tion.	Amount standing at Debit, 30th June, 1923.
······································	£	£	£	£	£	£
State Works	4,730,412		2,798*		1	4,730,412
Irrigation and Water Supply			_,			-,,-
Districts (23)	2,216,892		15,406	575,152	19,573	1,622,167
First Mildura Irrigation and						
Water Supply Trust	117,018		· ·		6,725	110,293
Waterworks Districts (23)	2,093,286		46,349	175,055	42,436	1,875,795
Waterworks Trusts (98)	1,241,433	6,871	37,414	125,861	172,933	949,510
Geelong Waterworks and				÷		
Sewerage Trust	455,812		••		800,235	155,577
Municipal Corporations (20)	776,059	43,633	••	165,870	147,347	506,475
,, (9)	9,543	346	••		9,889	
Melbourne and Metropolitan	1					
Waterworks System	3,189,934		••	•••	2,251,752	938,182
Abolished Trusts (8)	31,710	••	243	31,680	30	
Flood Protection Districts	208,598					208,598
Miscellaneous	178,647	••	• ••	•••		178,647
Total	15,249,344	50,850	102,210	1,073,618	2,950,920	11,275,656

* Originally grants to Waterworks Trusts, the works on which spent having been taken over by the State.

In addition to the capital written off, as shown above, arrears of interest amounting to £579,786 have been written off certain liabilities to the State, viz., £342,773 from the liabilities of what were originally Irrigation and Water Supply Trusts, £85,556 from the liabilities of Waterworks Trusts, and £151,457 from the liabilities of Municipal Corporations. Thus the amount which has actually been written off the liabilities of the Trusts (Irrigation and Waterworks) and Corporations is £1,653,404. Interest outstanding at 30th June, 1923, amounted to £25,842, viz., £7,511 against the First Mildura Trust, £15,179 against Waterworks Trusts, and £3,152 against Municipal Corporations.

IRRIGATION.

Progress of Irrigation. Prior to 1905 the management of irrigation in Victoria was in the hands of various Irrigation Trusts, which were financed by the State. These Trusts drifted into financial

difficulties and the State was compelled to assume control. In the year mentioned, by the authority of Parliament, the State Rivers and Water Supply Commission was constituted and intrusted with the management of all irrigation works, except those controlled by the First Mildura Trust. This authority is embodied in the Water Act 1915-which consolidates the Water Acts of 1905 and 1909, of which epitomes have been given in previous issues of this work---and the Water Acts 1916 and 1918. The chief difficulties under which the Irrigation Trusts laboured were sparse settlement, and the absence of powers to make compulsory charges on the properties commanded by the irrigation channels. Since the assumption of control by the Commission a policy of closer settlement on the lands served by the irrigation channels has been inaugurated and vigorously pushed on, and a system of compulsory rating enforced, along with which there has been the allotment of water as a right to properties in channelled areas.

An illustration of the influence of closer settlement and the allotment of water rights in extending irrigation is contained in the following table, which shows, for the districts having water rights, most of which are directly affected by the Commission's Closer Settlement policy, the areas irrigated in 1909-10—the year in which these two factors were first put into operation—and the average areas for the last five years :—

PROGRESS OF IRRIGATION IN CLOSER SETTLEMENT AREAS.

		Area I	rrigated.
District (having allotted Water 1	Rights).	1909–10.	Average for last Five Years.
Supplied from the Goulbu	rn—	Acres.	Acres.
Shepparton Rodney Stanhope Tongala Rochester Echuca North (two y Dingee Tragowel Plains		32,356 2,000 3,000 500 20,000	$14,344 \\51,353 \\7,662 \\12,264 \\25,612 \\2,279 \\2,884 \\33,233$
Supplied from the Murray Cobuna Gannawarra Koondrook	 	12,000 7,825 5,029	17,600 19,815 15,326
Swan Hill Nyah Merbein Tresco (two years)	•• •• ••	5,410 569 202 	$\begin{array}{c c} 12,140 \\ 2,472 \\ 7,453 \\ 1,466 \end{array}$
Swan Hill Nyah Merbein	 ee— 	569	2,472 7,453

The area under irrigated culture in the whole State, in 1923-24, for all kinds of crop, was 324,558 acres. Although, owing to unusually heavy falls of rain during the irrigation season, this was 26,169 acres less than the area irrigated in the previous year, which was exceptionally dry, the average of the previous four years was exceeded by 1,454 acres.

Total area Irrigated. The subjoined table shows the total extent of irrigated land in the State in 1909-10 and each of the last five years, and the purposes for which the land was utilized :---

				· · · · · · · · · · · · · · · · · · ·		
Crop.	1909–10.	1919–20.	1920–21.	1921–22.	1922–23.	1923-24.
	acres.	acres.	acres.	acres.	acres.	acres.
Cereals	23,715	76,810	26,546	25,039	60,304	32,240
Lucerne	24,124	71,364	72,338	82,226	92,679	94,479
Sorghum and other annual fodders	8,094	32,955	25,963	28,1+2	35,591	33,356
Pastures	50,541	117,263	100,424	88,195	88,787	91,912
Vineyards and orchards	17,524	43,586	50,281	55,601	61,061	64,647
Fallow	4,988	8,502	3,465	4,867	8,850	4,523
Miscellaneous	785	2,768	3,517	3,867	3,455	3,401
	129,771	353,248	282,534	287,907	350,727	324,558
Details not available (private diversions)	8,000	18,000		om 1st Ju led in deta		
Total	137,771	371,248	282,534	287,907	350,727	324,558

IRRIGATED AREAS: HOW UTILIZED.

Of the total area irrigated in 1923-24-324,558 acres—the percentages devoted to different purposes were as follows :--Pastures, 29; cereals, 10; lucerne, 29; vineyards, orchards, and gardens, 20; sorghum and other annual fodder crops, 10; fallow, 1; and miscellaneous, 1.

Gloser Settlement in Irrigation Districts. The Commission during 1923-24 provided holdings under ordinary closer settlement conditions for both local —including a few discharged soldiers—and oversea landseekers. The number of applicants for irrigable blocks

whose applications were granted in the year was 310; of these 29 were discharged soldiers, 208 local civilians, and the remaining 73 approved oversea settlers. The area of the new estates subdivided and made available was about 8,300 acres, of which 1,400 acres were purchased during the year.

In the districts supplied by the Goulburn Irrigation System 3,550 acres were made available as follows :--3,000 acres at Shepparton, which were subdivided into 43 holdings, and 550 acres in the Rodney Irrigation District, which provided 9 more holdings. In the districts served by the River Murray schemes 4,500 acres were subdivided at Murrabit (Gonn Crossing) into 69 allotments. A further small section of the Red Cliffs Estate was subdivided to provide blocks for 7 oversea settlers. The subdivided portions of this estate have now provided 706 holdings, practically all of which are occupied by discharged soldiers.

Since the commencement of the repatriation of Victoria's soldiers, the Commission has placed 2,168 qualified soldier settlers on irrigable holdings under Closer Settlement conditions, and has also made advances to some 60 others who had purchased farms without State aid. Some soldiers, whose health was impaired by the war, and others, for various reasons, have transferred their blocks. Notwithstanding this, there are nearly 600 settled in the Goulburn districts, 1,070 in the Murray areas—of whom 623 are at Red Cliffs—and 143 in the Maffra and Werribee districts.

In view of the enhancement in land values that takes place through the construction of irrigation channels, the Commission purchased in advance of works some 43,000 acres, of which 35,000 acres are still in hand.

During the year thirteen properties, comprising in all 3,200 acres, were purchased at Hallam, near Dandenong. Water supplies from the Mornington Peninsula system will be available for these lands, which it is intended to fully drain and subdivide into holdings suitable for market gardens. As the areas adjacent to Melbourne hitherto used for market gardening purposes are being gradually absorbed by extensions of suburban residential areas, the provision of these lands will tend to important developments in the market gardening industry.

The following statement shows the lands purchased for civilians and discharged soldiers by the State Rivers and Water Supply Commission, and the extent of settlement on each estate after subdivision. The subdivided portions are supporting twenty times as many families as were living on them previously The statement contains also particulars of settlement effected under section 20 of the *Closer Settle*-

ment Act 1915 outside the large estates subdivided by the Commission :---

				Р	ropertie	es Subdiv	ided.		
Closer Settlement Estate.		Area of Lands			son ed.	Subdivinto-		ient	ase
		purchased by the State in Acres.	Area in Acres.	Number.	Number of Families thereon when Purchased.	Number of Closer Settlement Blocks.	Average Area in Acres.	Number of Closer Settlement Blocks now occupied.	Present Increase in Number of Families.
Shepparton		$14,100 \\ 10,300$	14,100	33	29	388	34	365	336
East Goulburn Rodney		2.800	1.400		3	19	73	12	9
Stanhope		21,500	21,500	7	13	330	55	296	283
Kyabram		4,400	3,000	7	10	57	52	54	44
Tongala.		18,600	18,200	37	34	305	57	293	259
Kovuga		4,200	4,200	Pt.1	, i	50	79	48 19	48
Cornelia Creek		2,500	2,500			1 19	$ \frac{161}{73} $	116	2 19 109
Nanneella		9,000	9,000	17	7	119 31	101	30	26
Echuca		$3,600 \\ 13,400$	3,600	8	4 21	180	70	177	156
Bamawm	•• ••	500	$13,400 \\ 500$	28	1 1	17	27	15	14
Dingee	•• ••	3,300	500	-	L 1	1 11			
Calivil Cohuna	•• ••	12,000	12,000	29	io	137	83	122	11:
Koondrook		8,400	8,400	13	9	123	62	80	. 71
Swan Hill		12,500	12,500	34	16	303	- 39	288	27
Nyah		3,800	3,800	8	1	237	15	232	23
Merbein.		8,300	8,300			410	20	410	41
Red Cliffs		33,000	18,000	1	3	706	17	682	67
Bacchus Marsh		70	70	1	·:.	2 233	36 36	2 229	21
Werribee		10,000	10,000	Pt. 1	11	203			41
Hallam		3,200	4,900	7	4	107	43	41	3
Maffra	•• ••	7,700	4,900	1	4	101	10		
		207,170	169,370	240	176	3,773	41	3,511	3,33
Properties pure Section 20, Cla Act 1915, ou Estates, vide p	<i>ser Settlemen</i> itside above	t 1 1 1 5 1 1						211	
· · · ·		226,714						<u> </u>	

Progress of Irrigated Closer has been continued during the past year. The settlers have steadily consolidated their positions by making further improvements, bringing new areas under lucerne and other

crops, and increasing the number and improving the quality of their herds. In the dried fruit irrigation areas a high average yield of raisins and currants was experienced, the total yield for Victoria far exceeding previous records. In Red Cliffs, the largest soldier settlement in the State, a number of blocks reached the producing stage, and the harvest returned 570 tons of dried fruit as the result of less than four years' settlement, while this season a further area will become productive, and it is expected that fully 4,000 tons will be produced. At Swan Hill, Kerang, Murrabit, Shepparton, Merbein, Nyah, and other irrigation centres, citrus culture is making great

464

advances, and, although the year has not been good climatically, growers generally are obtaining satisfactory financial results. In the districts of Stanhope, Rochester, Tongala, and Cohuna, where the settlers favour dairying and sheep raising, pig and poultry raising are fast becoming important adjuncts to the original industries. Remarkable development is evidenced at Stanhope, which area, prior to subdivision, carried about one sheep to the acre, and supported a population of about 60 persons. At the present time, only four years after the greater part of the area has been settled, the district supports over 300 families, comprising a population of approximately 1,200 persons, who possess implements to the value of £28,000, and have made permanent improvements to the value of £130,000.

The Railway from Kerang to Gonn Crossing (Murrabit) is now open for goods traffic, and, adjacent to the site of the new railway station at Gonn Crossing, the Commission has made provision for a township, and has also made two estates available for closer settlement.

At Bacchus Marsh and Werribee lucerne production has been good, although weather conditions militated against successful drying. At Werribee, and to some extent at Bacchus Marsh, fruit and vegetable growing are being introduced with satisfactory results. In the Maffra district water will be available for portion of the area during the coming season, and, with irrigation, a greatly increased yield in the sugar beet crops is anticipated.

The marketing of canned fruit has shown a marked improvement, and the two co-operative canneries, Shepparton and Kyabram, have had a most successful season—over 6,000,000 tins of fruit having been processed. The previous season's production was exceeded by 25 per cent.

The marketing of dried fruits, however, is causing much anxiety owing to unsettled conditions in Europe. Both Commonwealth and State Governments are concentrating on the problem, and success in their efforts is expected.

An advance in the direction of more improved methods and higher yields in irrigation districts should be secured by reason of the recent formation of an Irrigation Research Committee, comprising representatives of the Department of Agriculture and the State Rivers and Water Supply Commission. The function of this Committee is to assist settlers by investigation of various problems of irrigated agriculture and to demonstrate results obtained at several research stations, where attention will be specially devoted to irrigation. During the past year, experimental plots, dealing with the manuring of lucerne, have been established at Swan Hill and Rochester; and it is proposed to further extend this work so as to deal with other problems.

In 1902 the total capacity of storages in the State was **Total Storages** 172,000 acre-feet. The present capacity is about 813,500 in State.

acre-feet, and, when the Sugarloaf, Wimmera, and Maffra Storages have been completed, the total capacity will exceed 1,264,000 acre-feet. The Hume Reservoir, which is in course of construction, and is not included in the storages referred to, will contain between 1,100,000 and 2,000,000 acre-feet (vide page 470), half of which can, subject to the provisions of the River Murray Agreement, be credited to the State of Victoria. The construction of storage works by the State Rivers and Water Supply Commission was continued during the year.

At the Sugarloaf Reservoir, on the Upper Goulburn Goulburn River, work is well advanced with the main retaining wall, Storages. which consists of a diaphragm of concrete, a wall of clayey material on the upstream side of the diaphragm, and supporting masses The valve tower has been completed for some time, and of rock. hydraulic lifters for operating the valves have now been placed in A volume of some 60,000 acre-feet of water is already held position. in store, and this will be increased to 300,000 acre-feet when the present undertaking is completed. It has been ascertained by surveys that the site would admit of a storage basin of a total capacity of 918,000 acre-feet. This result could be obtained by progressive stages. During the year plans were prepared for an emergency or power outlet. In view of the possibility of the outlet being utilized in connexion with the Sugarloaf Hydro-electric Scheme (vide page 470), the State Electricity Commission was consulted prior to the final adoption of plans.

At the Waranga Reservoir, which has a storage capacity of 333,400 acre-feet, work is proceeding on a wall of reinforced concrete that is being built to remedy certain defects in the present embankment by reason of which water has been allowed to escape. These defects, it is supposed, are caused by yabbies or other boring creatures. In addition, a considerable amount of work has been done on the channel bringing supplies from the Goulburn Weir, and on the two outlet channels.

The lake is now filled to a depth of 37 feet, the volume stored being

Wimmera Storages.

Progress was made with the works for supplementing the domestic and stock supplies to the districts served by the Wimmera-Mallee system. The embankment at Taylor's Lake has been completed, and the storage filled to its full capacity-30,000 acre-feet. Considerable progress has been made with the construction of the valve tower and outlet structures of Pine Lake Reservoir, and a start has been made with the earthwork of the storage.

21,000 acre-feet, all of which is held within its natural banks. The embankment will be built in two stages, the first of which will enable 34,000 acre-feet of water to be impounded. The ultimate holding capacity of this storage will be 62,000 acre-feet. The new main channel connecting the Wimmera River with Taylor's Lake and Pine Lake Storage is completed and in operation. Its capacity is 1,200 acre-feet per day.

The storage provision of the Wimmera-Mallee Supply Scheme now reaches 149,250 acre-feet as against 69,000 acre-feet a few years ago. Storage works now in course of construction will carry the capacity to no less than 210,250 acre-feet. The water is distributed throughout a total area of about 11,000 square miles by main and distributary channels aggregating over 4,800 miles in length (exclusive of an approximately equal length of farmers' connecting branches). This system also supplies water to 32 towns.

In the Walpeup portion of the Northern Mallee, Northern Mallee Water Suppiy. the Wimmera-Mallee districts but is generally too high

for inclusion in the gravitation channel system, the Commission has met the water supply needs of settlers by sinking bores, and excavating large public tanks. There are now 95 successful public bores in this area with an average depth of 460 feet, and 187 tanks with a total storage capacity of 169,045,000 gallons.

Works are in progress for the supply of water to an Millewa Water Supply. area of about 1,000,000 acres in the extreme north-western portion of the State, which will be opened up by the 55 miles of railway from Red Cliffs that is being constructed for the service of that territory. The scheme will comprise two main lifts, of about 125 feet and 150 feet, the first being from Lake Cullulleraine a depression on the edge of the river flats about 5 miles from the River Murray. Fifty miles of main channels and 162 miles of distributaries have already been constructed; these will serve about 270 Mallee blocks which have been allotted to settlers. The work will be carried out in successive stages to meet the requirements of the gradually extending settlement. In this area and the adjacent Sunset country, 63 tanks have been constructed, with a total storage capacity of 75,000 cubic yards.

In the Cohuna and Kerang districts the completion of Irrigation Areas. In the Cohuna and Kerang districts the completion of impetus in the development of irrigation, extensive areas now being provided for by gravitation entirely where pre-

viously a combined gravitation and pumping system was necessary.

The Kerang North-West Lakes were maintained at full supply level during the irrigation season as a result of supplies from the Torumbarry Weir, and further areas, previously irrigated by pumping, have been brought under the influence of gravitation. An area of about 10,000 acres is now being reticulated by a channel system from Third Lake, and work is proceeding on the first 8 miles of the main channel. Drainage works, the aggregate length of which is $5\frac{1}{2}$ miles, have been completed at Murrabit, and an irrigation system, involving a total length of 16 miles of channels, is nearing completion.

Mornington Peninsula Scheme. The important scheme of reticulated supply to the Naval Base, the inland towns of Berwick, Beaconsfield, Dandenong, Somerville, Cranbourne, and Bittern, and the bayside

towns of Mornington, Frankston, South Frankston, Seaford, Carrum, Chelsea, Edithvale, and Aspendale, is in full working order. The reservoirs at Beaconsfield, Frankston, South Frankston, Mornington, and Bittern were kept fully supplied during the past year. Besides carrying out large extensions of mains in all existing districts, the work of reticulating the highest levels of Berwick town was completed, and a similar scheme was put in hand for giving reticulated supplies to the highest levels at South Frankston.

A reinforced concrete service basin of 250,000 gallons capacity has been constructed on the race-course hill at Cranbourne, and another, of a similar capacity, at Berwick.

The new storage of 36,000,000 gallons capacity, on Heywood's Hill, 2 miles north of Dandenong, proved so satisfactory that, in addition to considerable extensions being effected in the Dandenong reticulation, the main pipe line to Noble Park and Spring Vale, and a great part of the reticulation for those townships, were laid during the year. The new main supply line from Berwick to Heywood's Hill Reservoir should be available early in 1925.

Good progress was made during the year with the Maffra District construction of the cyclopean concrete dam on the Macallister Irrigation Scheme. River, which, when completed, will impound 150,000 acrefeet of water for the irrigation of 80,000 acres of land. It is expected that, during the summer of 1924-25, the dam will be sufficiently high throughout its whole length, and the construction of the northern main channel far enough advanced, to ensure water being available at the Boisdale Ridge and for irrigating the greater portion of the Boisdale . flats and portion of the Newry flats-the areas for the service of which the scheme was originally launched. In the area to be served by the southern main channel, the distributary channels on the Mewburn Park Closer Settlement Estate have been completed, so that a supply can be given to this area also, if urgently required, by pumping from the river pending completion of the main channel.

468

Other Irrigation Districts. At Red Cliffs, the scheme which has been inaugurated, and which ranks first in importance among the pumping

systems of the State, supplies water to an area totalling 18,000 acres, including the township and 706 soldier settlement blocks. The plant is capable of delivering 500 acre-feet of water per day, lifted 105 feet. The total length of channels constructed to date is 121 miles. Following considerable progress in the township, which has been proclaimed an Urban Waterworks District, a concrete standpipe, 70 feet high and 26 feet in diameter, has been erected, and reticulation extended to meet requirements.

In the Carwarp district, surveys are now being carried out to determine the line of a main channel to supply about 50 square miles of new country at Carwarp and Colignan. A scheme to supply water to high lands surrounding Carwarp Railway Station is being pushed forward. The necessary channels—12 miles in length—have been excavated, and a pump and rising main are being installed.

Kooweerup and Cardinia Flood Protection Scheme.

In addition to works of water supply, the Commission has under construction a comprehensive scheme of works for the reclamation of the extensive swamps in West Gippsland, known as Kooweerup and Cardinia, and for the pro-

tection from periodical flooding of the surrounding lowlying lands, aggregating in all 100,000 acres. These areas have been constituted Flood Protection Districts under the provisions of the Water Acts. The construction of the huge main drains, feeders and subsidiary works has reached the stage that provides the landholders affected with protection from all but abnormal floods, and flood protection charges have been levied accordingly.

The scheme of works provided in the River Murray River Murray Waters. Waters Acts passed by the Governments of the Commonwealth and of the States of New South Wales, Victoria, and South Australia comprises storages on the Upper River Murray and at Lake Victoria, locks and weirs in the course of the River Murray from its mouth to Echuca, and also locks and weirs on the lower part of the River Darling or the River Murrumbidgee, as may be decided by the Government of New South Wales. The Acts provide that for purposes of construction the Minister for Public Works of New South Wales shall be the Constructing Authority for that State; that, for the State of South Australia, the Commissioner of Public Works shall be the Constructing Authority; and that the State Rivers and Water Supply Commission shall be the Constructing Authority for Victoria.

Under the River Murray Agreement of 1914 the estimated total cost of the whole of the works is set down at £4,663,000. It is now clear, from the experience gained in connexion with the works which have been put in hand to date, that the total cost of the works will be fully double that amount. The four contracting Governments have agreed to share equally in the total cost of the works. The total expenditure incurred up to 31st December, 1923, on the portion of the scheme completed and in course of construction was $\pounds 2,333,000$.

The site of the Hume Reservoir is a little below the junction of the rivers Murray and Mitta Mitta. Originally it was designed to provide for a capacity of 1,100,000 acre-feet, but, at a conference of Ministers representing the four interested Governments, held on the 8th and 9th days of August, 1924, the following proposals raised by the Government of Victoria were agreed to :---

- (a) That the work of construction of the Hume dam, of sufficient dimensions to provide for a reservoir of 2,000,000 acre-feet, proceed for a period not exceeding three years, and that the question of the ultimate capacity and completion of the reservoir be then the subject of a further conference. All waters to be used to meet the present allocation obligations and as a reserve for dry years.
- (b) That provision be made for outlet works at the Hume Reservoir suitable for hydro-electric generation purposes, provided, however, that the use of the reservoir for these purposes does not interfere with the volumes of water required for the purposes set out in the River Murray Agreement. The cost of such additional outlet works, estimated at £40,000, shall be borne in equal shares by the States of New South Wales and Victoria, which Governments should have the sole use of any power generated at the reservoir.

The work is being carried out by the Constructing Authorities for the States of New South Wales and Victoria. On the New South Wales section considerable progress has been made, and work is now being proceeded with on the concrete structure. On the Victorian side the construction of the main embankment is being steadily advanced.

The Torumbarry Weir and Lock (near Echuca) was substantially completed and brought into operation in December, 1923, and water was made available for the remainder of the irrigation season.

Weir and Lock No. 11—situated about $\frac{1}{2}$ mile downstream from Mildura—will form, when completed, a lock pool for about 40 miles upstream, providing a local reserve storage of great value and reducing the suction lift at the Mildura and Red Cliffs Pumping Stations. Work is proceeding with the excavations. The Constructing Authority for New South Wales is also preparing extensive plant for the construction of No. 10 Weir and Lock at Wentworth ; while, in the South Australian section, Weir and Lock No. 1 at Blanchetown has been completed, No. 3 near Lake Bonney has been nearly completed, and substantial progress has been made with No. 5 near Renmark, and No. 9 near the offtake to Lake Victoria. Lake Victoria Storage Works are also approaching completion.

Artesian Bores.

The following particulars relating to artesian boring have been supplied by the State Rivers and Water Supply Commission :---

Number of Be	ores Sunk.*	Total Dept	h of Bores.*
State.	Private.	State.	Private.
95	252	Feet. 44,050	Feet. 49,000

ARTESIAN AND SUB-ARTESIAN BORING (MALLEE).

* As at 31st December, 1923.

Mildura Irrigation Settlement.

The Mildura Irrigation Settlement, on the River Murray, was established in 1887 under the management of the Chaffey Brothers Limited, and in 1895 the control of the water supply was vested in the First Mildura Irrigation Trust. Water is obtained by pumping from the river. The following particulars are

POPULATION OF MILDURA SHIRE, 1891 to 1923.*

an indication of the prosperity of the settlement :--

$1891 \\ 1901 \\ 1911$	April (Census) March (Census) April (Census)	••	2,321 3,325 6,119	1921 1922 1923	April (Census) December	13,18 3 13,760 13,950
				1		

* Including the population of the town of Mildura, which up to 1920 was part of the shire.

The capital value of property in the Shire of Mildura in 1913 was £1,294,160. In 1923 in the same area it had risen to £3.460,000. The receipts and payments of the Mildura Irrigation Trust during the year ended 30th June, 1923, were as follows :---

RECEIPTS AND PAYMENTS OF FIRST MILDURA IRRIGATION TRUST, 1922-23.

Receipts. Horticultural Rates Special Waterings, &c. Miscellaneous	 	£ 40,784 7,711 5,722	Payments. Wages and Salaries Firewood Interest, Sinking Fund Depreciation Miscellaneous	 and 	£ 15,461 18,343 7,331 4,910
Total	•••	54,217	Total		46,045

The extent of watering done represented 22,876 water acres in 1917-18, 39,895 acres in 1918-19, 41,808 acres in 1919-20, 35,632 acres in 1920–21, 44,150 acres in 1921–22, and 42,807 acres in 1922–23.

METEOROLOGY.

Particulars in regard to climate and weather conditions Metsorological have been furnished by the Commonwealth Meteorologist, Records.

and are given in the following tables. In the first are shown the rainfall for each of the years 1921, 1922, and 1923, and the average yearly amount of rainfall deduced from all available records to December, 1923, in each of the 26 river basins or districts constituting the State of Victoria :---

RAINFALL.—YEARLY RECORDS AND AVERAGES.

		Ra	infall.	
Basin or District.	D	uring the Yea	3 r —	Yearly
	1921.	1922.	1923.	Average to December, 1923.
****	Inches.	Inches.	Inches.	Inches.
Glenelg and Wannon Rivers	24.77	24.42	-29.75	25.80
Fitzroy, Eumeralla, and Merri Rivers	28.89	27.06	32.61	28.38
Hopkins River and Mt. Emu Creek.	23.63	23.27	29.55	25.13
Mt. Elephant and Lake Corangamite	24.56	23.43	27.00	24.69
Cape Ofway Forest	39.56	43.74	47.12	38.83
Moorabool and Barwon Rivers	25.61	23.17	24.47	24.16
Werribee and Saltwater Rivers	25.21	21.61	19.88	23.55
Yarra River and Dandenong Creek	34.77	35.37	34.19	33.81
Koo-wee-rup Swamp	34.47	37.29	37.19	36.01
South Gippsland	35.97	38.52	43.48	39.09
Latrobe and Thomson Rivers	33.18	35.94	39.12	36.33
Macallister and Avon Rivers	19.45	24.18	22.73	23.82
Mitchell River	22.54	25.09	24.37	26.17
Tambo and Nicholson Rivers	23.36	25.62	23.08	27.59
Snowy River	27.69	28.64	28.42	34.70
Murray River	20.66	11.66	17.17	16.73
Mitta Mitta and Kiewa Rivers	39.71	26.54	38.22	35.10
Ovens River	42.62	25.05	34,60	33.54
Goulburn River	30.69	21.25	27.36	26.85
Campaspe River	28.07	16.05	22.14	23.00
Loddon River	24.53	14.21	20.62	20.30
Avoca River	20.74	13.26	17.39	17.16
Avon and Richardson Rivers	18.80	15.30	17.34	15.97
Eastern Wimmera	23.47	21.11	23.70	21.40
Western Wimmera	19.97	20.28	23.82	20.04
Mallee	14.96	9.09	12.95	12.67
Weighted Averages	25.35	21.35	25.34	24.29

The wettest portion of the State is the Cape Otway Forest, which is closely followed by the South Gippsland district and the Latrobe and Thomson Basin. The lowest rainfall occurs in the Mallee district, where it averages 12.67 inches per annum, as compared with 24.29 inches for the whole State.

The actual areas of the State, in square miles, subject to different degrees of rainfall are as shown in the following statement :---

	. 1	Rainfall.				Area.
Inches.						Square Miles.
Under 15	••		•••	• •		19,912
15 to 20	••			••	••	12,626
20 to 25		••		••		14,070
25 to 30	••	••	•••	••	••	15,247
30 to 40	••			• •		14,029
40 to 50	••	•• .				7,055
50 to 60 👘				••		^a 3,348
Over 60	•••		• •	• •	•• •	1,597

DISTRIBUTION OF AVERAGE RAINFALL.

RAINFALL—QUARTERLY RECORDS AND AVERAGES.

	First Quarter.		Second Quarter.		Third Quarter.		Fourth Quarter.	
Basin or District.		[
	nt.	- 66 6	nt	6	nt	8	E I	8
	1 8	La	no	13	no	13	l n	La La
	Amount.	A verage.	Amount.	Average.	Amount.	Average.	Amount.	A verage.
		·	·					
	points	points	points	points			points	points
Glenelg and Wannon Rivers	86	344	1,003	757	1,109	908	777	571
Fitzroy, Eumeralla, and Merri Rivers	187	421	998 775	835	1,311	958 808	765	624 581
Hopkins River and Mt. Emu Creek Mt. Elephant and Lake Corangamite	161 174	420 426	692	704 697	$1,162 \\ 1,079$	765	755	581
Come Ofmore Forest	288	585	1,585	1,173	1.606	1,287	1.233	838
Moorabool and Barwon Rivers	155	456	638	658	905	705	749	597
Werribee and Saltwater Rivers	1 90	504	535	604	662	650	701	597
Yarra River and Dandenong Creek	317	678	687	871	1,070	927	1,345	905
Koo-wee-rup Swamp	362	672	850	996	1,250	1.013	1,257	920
South Gippsland	368	766	1,186	1.095	1,651	1,144	1,143	904
Latrobe and Thomson Rivers	380	695	924	923	1,418	1,036	1,190	979
Macallister and Avon Rivers	204	601	500	527.	791	602	778	652
Mitchell River	162	643	495	592	920	698	860	684
Tambo and Nicholson Rivers	179	690	373	657	893	685	863	727
Snowy River	194	809	401	888	1,117	914	1,130	859
Murray River	38	305	670	494	609	491	400	383 813
Mitta Mitta and Kiewa Rivers	114	626	1,212	968	1,246	1,103	$1,250 \\ 848$	815
Couthurn Dimen	52	519 448	1,372	998 786	1,188	$1,108 \\ 847$	839	604
Campaspe River	54	4403	841	690	895	731	424	476
Toddon Diver	49	344	825	613	780	634	408	439
Avoca River	48	272	712	529	707	551	272	364
Avon and Richardson Rivers	43	244	702	487	680	528	309	338
Eastern Wimmera	61	295	910	652	870	725	529	468
Western Wimmera	58	246	910	621	917	707	497	430
Mallee	33	224	584	366	474	396	204	281
The whole State	119	430	800	685	928	750	687	564

The averages of the climatic elements for the seasons in Melbourne deduced from all available official records are given below :----

AVERAGES OF CLIMATIC ELEMENTS IN MELBOURNE.

Meteorological Elements.	Spring.	Summer.	Autumn.	Winter.
Mean pressure of air in inches	29.971	29.923	30.080	30.076
Monthly range of pressure of air-Inches	0.891	0.767	0.814	0.979
Mean temperature of air in shade-°Fahr.	57.7	66.6	59.4	50.0
Mean daily range of temperature of air in		· · ·	. 1	
shade—°Fahr	18.7	21.1	17.4	$13 \cdot 9$
Mean relative humidity. Saturation=100	66	60	70	76
Mean rainfall in inches	7.35	5.90	6.56	5.80
Mean number of days of rain	38	24	33	42
Mean amount of spontaneous evaporation				
in inches	10.21	. 17.25	7.82	3.62
Mean daily amount of cloudiness-Scale				
0 to 10	6.0	5.2	5.9	6.4
Mean number of days of fog	1		6	11

In the subjoined statement are shown the yearly averages of the climatic elements in Melbourne for 1923 and for the past 68 years, as well as the extremes between which the yearly average values of such elements have oscillated in the latter period.

YEARLY AVERAGES AND EXTREMES OF CLIMATIC ELEMENTS.

· · · · · ·	Yearly Averages and Extremes.					
Meteorological Elements.	Year 1923.	Average for 68 Years.	Extremes between which the Yearly Average Values have oscillated in 68 years.			
		00 10415.	Highest.	Lowest.		
Mean atmospheric pressure (inches)	29 · 94 6	30.012	30.106	29.945		
Highest ,, ,, ,,	30.561	30.604	30.762	30.488		
Lowest ,, ,, ,,	29.133	29.256	29.495	28.942		
Range (inches)	1.428	1.348	1.719	1.104		
Mean temperature of air in shade						
(°Fahr.)	58.6	58.4	59.9	57.3		
Mean daily maximum (°Fahr.)	67 . 1	67.3	69.0	66.0		
Mean daily minimum ,,	50.0	49.5	51.2	47.2		
Absolute maximum ,,	106.1	$105 \cdot 2$	111.2	96.6		
Absolute minimum,	34.2	30.8	34.2	27.0		
Mean daily range ,,	17.1	17.8	20.4	15.0		
Absolute annual range,	71.9	74.4	82.6	66.0		
Solar Radiation (mean maxima) ,,	114.9	117.9	127.6	106.0		
Terrestrial Radiation (mean						
minima) (°Fahr.)	46.4	44.0	46.8	39.5		
Rainfall (in inches)	22.64	25.61	38.04	15.61		
Number of wet days	158	137	171	102		
Year's amount of free evaporation (in			1			
inches)	40.26	38.90	45.66	31.59		
Percentage of humidity (saturation	}					
=100)	63	68	76	62		
Cloudiness (scale $10 = overcast, 0 =$			1			
clear)	5.7	5.9	6.4	4.8		
Number of days of fog	25	19	39	5		

AGRICULTURAL RESEARCH AND EDUCATION.

Department of This Department is controlled by a Minister of the Agriculture. Crown, under whom there is a large staff of experts with the Director of Agriculture as permanent head. These officers are actively engaged in supervising all matters relating to the Agricultural, Pastoral, Fruit and Dairying Industries of the State, and in giving instructions to those engaged therein. The Department publishes a monthly journal.

Government Experimental Farms. The great expansion in our rural industries during recent years has been largely brought about by the general adoption of better methods of farming, and by the introduction of more prolific wheats, and it is claimed that these improve-

ments have been adopted as the result of the experimental and demonstration work of the Department of Agriculture. For many years the Department carried out research work on a large number of experimental plots in private farms throughout the State, but in 1912 a Central Research Farm was established at Werribee, and it is there that the initiative with regard to practically all experimental and research work is now undertaken. The State farms at Rutherglen and Longerenong are used as district experimental stations for the North-East and the Wimmera respectively. The problems investigated on these farms are fully described in the 1915-16 issue of this work.

Agricultural Colleges. An Act for the establishment of Agricultural Colleges was passed in 1884, and 14,458 acres, comprising 5,955 acres at Dookie, 2,386 acres at Longerenong, 2,500 acres at Gunyah Gunyah, 2,800 acres at Olangolah, and 817 acres at Bullarto, were reserved as sites for colleges and experimental farms. The areas at Dookie and Longerenong are being used for the purpose for which they were reserved, but the other three are devoted to other uses.

In addition to the college and farm lands, provision was made by the Act of 1884 to permanently reserve from sale an area of not more than 150,000 acres of Crown lands, and to vest it in trustees to be appointed, who should hold it in trust for the benefit of and by way of an endowment for State agricultural colleges and experimental farms. The land so reserved now amounts to 71,412 acres, and is let for grazing and agricultural purposes.

The fee for students in residence at the agricultural colleges is £35 per annum for maintenance, including stationery and medical and other charges. No charge is made for instruction. Accommodation is provided at Dookie for 100 and at Longerenong for 50 students.

This institution is situated in the Burnley Gardens, School of Primary Agriculture close to the Hawthorn and Heyington railway stations. The classes are open to male and female students above and Horticulture, fourteen years of age. The Course for the Certificate in Horticulture occupies two years, and is intended for those who propose to follow orchard or garden work as a profession. Part time classes are also held for those who are unable to devote full time to the subject. Another feature of the work at the school is the holding of regular classes of instruction in Agricultural Science for those desirous of taking the subject either in the Intermediate or the Leaving grade at the Annual Public Examinations conducted by the University. A practical training is obtained in the orchards, gardens, and nursery connected with the school; the course also includes lectures and demonstrations by various expert teachers. Excursions to up-to-date farms, orchards, and nurseries form part of the work of the school. In 1923 the students enrolled numbered 168.

Various particulars relating to the State Experimental Experimental **Farms** and Farms and Agricultural Colleges are embodied in the next Agricultural statement.

Particulars.		Central Research Farm, Werribee.	Ruther- glen Farm, &c.	Dookie Agri- cultural College.	Longer- enong Agri- cultural College.	School of Primary Agricul- ture, &c.
		No.	No.	No.	No.	No.
Professional Staff Hands employed	 	$\begin{smallmatrix}&1\\42\\10\end{smallmatrix}$	$\begin{array}{c}2\\36\\13\end{array}$	$13 \\ 54 \\ 72$	6 17 50	4 6 168
Value of plant and machinery Value of produce for year Receipts—		£ 3,300 10,000	£ 2,572 4,925	£ 5,700 6,500	£ 4,500 8,000	£ 150 1,200
Government Grant Fees Sale of produce, &c Other	•••	$12,920 \\ 11,447 \\ 401$	8,200 5,111 8	3,558 2,317 5,187 83	$1,700 \\ 1,798 \\ 5,322 \\ \dots$	$2,110 \\ 116 \\ 1,226 \\ 2$
Total receipts	•••	24,768	13,319	11,145	8,820	3,454
Expenditure-						
Salaries— Professional Staff General Staff Buildings and maintenance Other	••• ••• •••	372 6,403 1,570 4,269	723 6,687 2,198 2,718	$\substack{\begin{array}{c}4,250\\6,925\\11,628\\202\end{array}}$	2,031 2,343 5,210 96	$1,225 \\ 1,100 \\ 317 \\ 597$
Total expenditure		12,614	12,326	23,005*	9,680	3,239

GOVERNMENT EXPERIMENTAL FARMS AND AGRICULTURAL COLLEGES, 1923.

* Excluding grant received from the Council of Agricultural Education.

Colleges.

Particulars.		Central Research Farm, Werribee.	Ruther- glen Farm, &c.	Dookie Agri- cultural College.	Longer- enong Agri- cultural College.	School of Primary Agricul- ture, &c
		acres.	acres.	acres.	acres.	acres.
Area under— Cereals for Grain Hay	•••	430 270	$\begin{array}{c} 225\\ 126\end{array}$	$325 \\ 250$	$443 \\ 137$	1
Fruit trees, &c	•••	260	$\begin{array}{c} 1rac{1}{2} \\ 101 \\ 51 \end{array}$	16 15 45	20 5 49	14 14
Other crops	••	100	55	1.3		1
Total area under crop	•••	1,060	559 1	664	654	15
Area of land in fallow Area under artificially sown grasses Area resting	 	750 190	$250 \\ 132 \\ 131$	400 600	$423 \\ 32 \\ 555$	9
Total area of arable land Balance of area	•••	$\begin{array}{r} 2,000\\ 209\end{array}$	$1,072\frac{1}{2}$ $240\frac{1}{2}$	1,664 4,291	$1,664 \\ 722$	243 81
Total area of farm	•••	2,209	1,313	5,955	2,386	33
Live Stock		No.	No.	No.	No.	No.
Horses	•••	$\begin{array}{c} 124 \\ 60 \end{array}$	47 29	90 50	4 8 23	3 5
All other cattle	•••	90 880	$2 \\ 658 \\ 20$	$100 \\ 2,500 \\ 100$	75 786 49	

GOVERNMENT EXPERIMENTAL FARMS AND AGRICULTURAL Colleges, 1923—continued.

Inspection et Orchards, The orchards, nurseries, and gardens of the State are Systematically inspected by the officers of the Horticul-Nurseries, &c. tural Division of the Department of Agriculture. Nurseries are inspected every six months, and certified to by the departmental supervisors if clean and free from disease. Old, worn-out, and infected orchards are destroyed.

A citriculturist has been appointed to take charge of the citrus areas. Special attention is being paid to the packing of fruit; classes are formed in the different districts and a special officer has been appointed to instruct the growers in this branch of horticulture, which is so vital to the efficient marketing of the produce.

Lectures and demonstrations are given on the various other phases of horticulture; experiments are carried out in the treatment of diseases; and sites are selected on the farms of intending fruit growers, to whom advice is given as to the most suitable varieties to be planted and their subsequent treatment.

The fear of introducing the fruit-flies *Tephritis tryoni* and *Haltero*phora capitata and diseases arising from other causes has necessitated a thorough examination of fruit from Queensland, New South Wales,

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and elsewhere. The fruit-fly question is a very grave one, and, should either of the above-named insects obtain a footing in Victoria, a great portion of the large and important fruit industry of our State will be practically ruined.

Plants and cuttings coming from foreign parts are fumigated if a certificate that they have been treated at the port of shipment does not accompany the consignment. Even when they have been thus certified the Senior Fruit Inspector has the right of examination and, if necessary, of ordering a second fumigation.

Forestry. The State Forests are controlled by a Commission of three, which was appointed in 1919. The State has a wooded area of about 8,000,000 acres, of which some 4,162,000 acres are set aside as timber and climatic reserves. The wooded area consists of—

1. Three million acres of merchantable forest, mainly situated along the Dividing Range with its spurs and foothills and also including the red gum forests of the northern river basins and of the River Glenelg in the south-western district.

2. Three million acres of forest in the more rugged portions of the mountain region. These forests are not at present accessible for practical working, owing to difficulties of transport; their protection, however, is essential for the maintenance of streams and springs.

3. Two million acres in the north-west of the State, known as Mallee, bearing at intervals a thick growth of stunted eucalypts and interspersed with belts of cypress pine and belar.

The forests of Victoria may be divided into four main classes which are referred to hereunder:—

- (a) The coastal region, extending from the shore line some fifty miles northward, carries chiefly messmate and three species of stringybark. In Cape Otway district, however, bluegum, mountain ash, and spotted gum predominate; whilst, in the extreme south-east of the State, silvertop, small-fruited bluegum, bastard mahogany, bloodwood, and Gippsland grey box are found.
- (b) The mountain region. In the western half of the State the predominant species in the hill forests are messmate, blue-gum, manna gum, brown and red stringybarks, and yellow box. In the eastern half of the State the prevailing species are mountain ash, spotted gum, messmate, peppermint, red ash or wollybutt, and bluegum, with stunted snow gums on the steep granitic slopes near the mountain summits.

- (c) The foothills, stretching from the Dividing Range northward down to the plains, bear three valuable species, red ironbark, white ironbark or yellow gum, and grey bex.
- (d) The river basins of the Murray and the streams flowing over the northern plain, and of the River Glenelg in the southwestern district, bear broad belts of river redgum.

The timbers of commercial value in Victoria number some twenty, all species of the eucalyptus family. In addition, there are about forty woods of fine grain, many of them, however, being small trees confined to limited areas.

With careful conservation and management Victoria's forests are capable of yielding considerable amounts of timber for all time, despite the ravages made upon them in the past by bush fires, settlement, and mining.

The State is notably deficient in softwoods or conifers, though over extensive areas the conditions are suitable for their growth once they are introduced. To encourage their growth, both in State and in private plantations, three large nurseries have been established, at Creswick, Macedon and Broadford, and a number of planta-tions have been formed, the principal ones being situated at Creswick, Mount Macedon, Frankston, Anglesea, Port Campbell, Bright, Castlemaine, Harcourt, Scarsdale, and Mount Disappoint-In addition to providing trees for the plantations, the ment. nurseries supply considerable numbers of plants at low rates to State schools, public bodies and private applicants. This has proved of great benefit to the community by fostering an interest in tree planting generally, and especially by encouraging farmers to plant in order to afford protection to their homesteads and to provide shade and shelter for their flocks and herds.

The revenue derived from forest sources during the financial year 1923-24 was £166,446, and the expenditure was £168,880. It is estimated that the quantity of timber produced in the rough in 1923-24 was 132,200,000 super feet. In addition, 372,600 tons measurement of fuel timber was produced.

A Forest School for training cadets is maintained at Creswick. The Commission also controls a State sawmill in the Warburton district, and Timber Seasoning Works at Newport, from which seasoned weatherboards, cabinet stock, floorings and linings are supplied, largely for use in the building of State schools and for other public works.

Agriculture expenditure and revenue connected with. The State has rendered substantial assistance to the various branches of the agricultural and pastoral industries during past years. The appended table summarizes for the last five years the items of State expenditure from

consolidated revenue in this direction, and shows the amount of revenue

received by the Department of Agriculture, which consists chiefly of payments by exporters for packing produce for export :---

· · ·	1919–20.	1920-21.	1921-22.	1922-23.	1923-24.
······································					
Expenditure.	£	£	£	£	£
Department of Agriculture	28,278	33,282	34,610	35,063	41,549
Grants to Agricultural and					
Horticultural Societies, &c	675	975	675	675	775
Development of Export Trade	93,971	58,785	61,151	60,316	53,372
Viticultural Education and					
Inspection of Vineyards	5,000	6,112	6,881	6,334	4,454
Maffra Beet Sugar Factory	46,805	42,159	59,791	75,291	74,497
Advances to Settlers for losses by					
bush fires, floods, &c.	1,755	2,008	91	7,300	659
Technical Agricultural Educa-					
tion, &c.	23,095	28,518	26,136	26,123	31,824
Publishing Agricultural Reports	250	249	227	329	250
Rabbit and Vermin Extermina-					
tion	36,672	36,158	40,766	47,410	85,489
Stock and Dairy Branch	28,396	35,731	42,442	43,887	48,627
Labour Colonies			••	••	
State Forests and Nurseries	86,142	145,790	154,023	157,347	168,880
Miscellaneous	3,172	2,999	2,428	3,104	6,006
Total	354,211	392,766	429,221	463,179	516,382
			— — — — — — — — — — — — — — — — — — —		·
Revenue.					
Department of Agriculture	181,753	100,715		78,017	73,282
State Forests	96,889	138,679	154.611	163,038	166,446

EXPENDITURE AND REVENUE CONNECTED WITH AGRICULTURE, ETC., 1919-20 to 1923-24.

In addition to the expenditure shown, various sums have been advanced from loans and votes for the purpose of aiding closer settlement, for the resumption of mallee lands, for relief to farmers on account of bush fires and flood losses, and for purchase of seed wheat and fodder. These advances are gradually being repaid.

The expenditure from Loan Funds in 1923-24 was £2,459,605-£1,577,411 having been expended on discharged soldiers' land settlement, £855,919 on closer settlement, and £26,275 on wire netting.

AGRICULTURE.

Progress of Cultivation. All divisions of the State are suitable for cultivation, **cultivation.** but the Wimmera, Mallee, and Northern are the principal wheat-growing districts and furnish about 95 per cent. of the total area under this crop. In recent years the chief extensions of the wheat-growing areas have been in the Mallee. In this district, which

has a rainfall at one time thought wholly inadequate, wheat growing was rendered practicable by the introduction of machinery specially suited to the conditions, the extension of railway lines, and storage of water for domestic and stock supplies; and, with more of these facilities being made available each year, further areas are gradually being brought under cultivation. An indication of the growing importance of the Mallee is afforded by recent figures, which show that, of the wheat produced in the State in the last five seasons, the proportion obtained from the Mallee was 30 per cent., as against slightly less than 5 per cent. in 1891–92. The area under cultivation in the Mallee last season for all purposes was 2,320,765 acres.

The area cultivated in the State in 1923-24 was 6,976,441 acres, as against an annual average of 6,181,465 acres for the previous five seasons, 5,032,359 acres for the seasons 1905-15, and 3,547,111 acres for the seasons 1895-1905. Notwithstanding the great increase in the area cultivated, the dairying and pastoral industries show a considerable expansion. The value of butter and cheese exported to oversea countries, which was $\pounds1,252,277$ in 1900, averaged $\pounds3,082,280$ in the last five seasons. The value of oversea exports of meats increased from $\pounds502,285$ in 1900 to an annual average of $\pounds2,235,645$ in the later period mentioned.

The increase in cultivation has been associated with new and improved farming methods. The chief of these are the practice of fallowing, the use of fertilizers, the selection of suitable seeds, and the increasing attention given to crop rotation. The more general adoption of improved methods in recent years has contributed greatly to the production of the State. The following table shows the progress of cultivation from period to period during the last 69 years :---

Period or	Vear	(ending in M	arch).	Annual Average.					
		(onuing in m	arony.	Crop.	Fallow.	Total Cultivation			
				acres.	acres.	acres.			
1855 - 65	• •	••	••	325,676	12,146	337,822			
1865 - 75	••	••	••	624,377	57,274	681,651			
1875-85	••			1,306,920	137,536	1,444,456			
1885-95	• •	• •		2,109,326	364,282	2,473,608			
895-1905				3,022,914	524,197	3,547,111			
905-15	• •			3,756,211	1,276,148	5,032,359			
915-16		••		5,711,265	1,358,343	7,069,608			
916-17		• •		4,851,335	1,899,559	6,750,894			
917-18	• •			4,110,225	1,672,729	5,782,954			
918-19			·	3,942,899	1,548,121	5,491,020			
919-20				4,000,815	1,357,536	5,358,351			
1920-21			·	4,489,503	1,935,747	6,425,250			
921 - 22				4,530,312	2,052,964	6,583,276			
922 - 23				4,862,548	2,186,881	7,049,429			
1923-24	• •	••	.	4,682,144	2,294,297	6,976,441			

ACREAGE CULTIVATED ANNUALLY, 1855 TO 1924.

Areas under Principal Grops. The principal crops grown in the State are wheat, oats, barley, potatoes and hay. The average annual acreage of these for ten-year periods from 1855 to 1915 and the acreage for each of the last nine seasons are given in the next table :---

ANNUAL ACREAGE OF FIVE PRINCIPAL CROPS, 1855 to 1924.

Period or Y	Year	Average Annual Area of								
(ending in M	arch).	Wheat.	Oats.	Barley.	Potatoes.	Hay.				
		acres.	acres.	acres.	acres.	acres.				
1855 - 65		119,001	83,296	4,843	24,123	80,117				
1865 - 75		278,077	129,384	19,262	36,744	117,393				
1875-85		776,031	147,343	41,188	39,089	226,775				
1885 - 95		1,236,501	210,901	64,310	48,009	437,087				
1 895–19 05		1,898,280	340.957	52,829	45,243	540,472				
1905-15		2,190,336	390,642	60,378	56,272	848,587				
1915-16		3,679,971	353,932	61,400	56,910	1,330,455				
1916-17		3,125,692	441,598	93,015	73,618	897,186				
1917-18		2,690,216	293,214	84,931	66,966	748,808				
1918-19		2,214,490	342,867	100,198	51,620	984,479				
1919-20		1,918,269	559,547	85,323	53,918	1,116,998				
1920-21		2,295,865	443,636	93,954	62,687	1,333,397				
1921-22		2.611.198	318,681	100,127	63,895	1,159,135				
1922-23		2.644.3 4	492,356	102,773	61,741	1,261,408				
1923-24		2,454,117	520,654	56,564	59,306	1,277,606				

Production of The average annual production of the five principal Grops crops for decennial periods, from 1855 to 1915, and the production for each of the last nine seasons were as follows :---

ANNUAL PRODUCTION OF PRIN	CIPAL CROPS,	1855	то 1924
---------------------------	--------------	------	---------

Period or	7.0.7	Average Annual Production of—								
(ending in M		Wheat.	Oats.	Barley.	Potatoes.	Ha y .				
1055 05		bushels.	bushels.	bushels.	tons.	tons.				
1855-65	••	2,198,874	2,068,648		62,723	111,806				
1865 - 75	• •	4,385,814	2,636,747	390,337	111,800	153,852				
1875 - 85	••	8,593,308	3,297,468	799,938	135,614	276,771				
1885 - 95	• •	12,268,905	4,649,393	1,187,007	170,905	547,092				
1895-1905		14,032,145	6,649,453	947,580	134,357	672,982				
1905 - 15		22,906,743	7.342.468	1,243,442	158,445	1.084.726				
1915 - 16		58,521,706	9.328.894	1,734,511	173,821	2,342,094				
1916-17		51,162,438	8,289,289	1,799,784	187,992	1,232,721				
1917-18		37,737,552	6,141,287	1.970.650	182.195	949,545				
1918-19		25,239,871	5.274.984	2,028,635	137,533	1,113,861				
1919-20		14,858,380	6.603.067	1.528.654	145,888	1.242.489				
1920-21		39,468,625	10,907,191	2,495,762	171.628	1,984,854				
1921-22		43,867,596	6,082,258	2,336,246	173,660	1,548,453				
1922-23		35,697,220	8.093.459	2,442,041	148,354	1,665,089				
1923-24		37,795,704	9,366,205	1,455,435	238,520	1,541,287				

PERCENTAGE IN EACH DISTRICT OF TOTAL AREA UNDER EACH PRINCIPAL CROP, 1923-24.

		Percentage in each District of Area under							
District.				Barley.	Potatoes.	Hay.	Other Crops.		
			<u> </u>						
		0.40	5.25	37.33	50.52	19.25	32.90		
		0.39	$2 \cdot 28$	4.13	18.87	6.20	2.75		
		$2 \cdot 19$	8:77	13.65	12.84	$13 \cdot 30$	5.04		
•••		$25 \cdot 93$	$23 \cdot 79$	9.75	0.21	15.34	1.98		
	• •	46.91	33.72	7.05	0.02	18.65	12.29		
• •		22.34	22.06	9.71	0.01	16.28	15.83		
	·	1.50	2.78	1.16	1.51	4.78	8.34		
••		0.34	1.35	17.22	16.02	$6 \cdot 20$	20.87		
	•••	· · · · · · · · · · · · · · · · · · ·	Wheat. 	Wheat. Oats. 0.40 5.25 0.39 2.28 2.19 8.77 25.93 23.79 22.34 22.06 1.50 2.78 1.50 1.25	Wheat. Oats. Barley. 0.40 5.25 37.33 0.39 2.28 4.13 2.19 8.77 13.65 25.93 23.79 9.75 46.91 33.72 7.05 22.34 22.06 9.711 1.50 2.78 1.16	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Wheat. Oats. Barley. Potatoes. Hay. 0.40 5.25 37.33 50.52 19.25 0.39 2.28 4.13 18.87 6.20 2.19 8.77 13.65 12.84 13.30 25.93 23.79 9.75 0.21 15.34 46.91 33.72 7.05 0.02 18.65 22.34 22.06 9.71 0.01 16.28 1.50 2.78 1.16 1.51 4.78 1.50 2.78 1.26 1.602 6.90		

NOTE .- For counties contained in each District, see table on page 487.

The area under the principal crops in proportion to the total area under crop in each district during last season was as follows :----

RELATIVE AREAS DEVOTED TO DIFFERENT CROPS IN EACH DISTRICT, 1923-24.

			Percentage of Area under all Crops devoted to							
Distr	ict.	-	Wheat.	Oats.	Barley.	Potatoes.	Hay.	Other Crops.		
Central	••	••	-2.24	6.25	4.83	6 85	56.22	23.61		
North-Central	••	•••	7.81	9.70	1.90	9.11	$64 \cdot 45$	7.03		
Western			17.89	15.19	2.57	2.53	56.55	5.27		
Wimmera			65.74	12.79	0.57	0.01	20.25	0.64		
Mallee			71.61	10.92	0.25	0.00	14.82	2.40		
Northern.			59.19	12.40	0.59	0.00	22.46	5.36		
North-Eastern			26.33	10.34	0.47	0.64	43.61	18.61		
Gippsland			4.61	$3 \cdot 92$	5.43	5.30	$44 \cdot 15$	36.59		
Total for Vict	oria		52.41	11.12	1.21	1.27	27.29	6.70		

NOTE .- For counties contained in each District, see table on page 487.

Principal crops compared with of population are given in the next table for each of the population. Last five years :---

AREA AND PRODUCTION OF FIVE PRINCIPAL CROPS PER HEAD OF POPULATION, 1919-20 to 1923-24.

			Wheat,	Oats.	Barley.	Potatoes.	Hay.		
Year	ended March	- -		·	·				
			Area per Head of Population.						
				•			. •		
			acres.	acres.	acres.	acres.	acres		
920	••	•• .	1.29	•38	•06	•04	•75		
1921	••		1.52	·29	·06	04	·88		
922	• •		1.70	$\cdot 21$	·07	•04	·75		
1923	••		1.67	• 31	•07	•04	·80		
1924			1.21	$\cdot 32$	·03	·04	·79		

Produce per Head of Population.

			busheis.	bushels.	bushels.	tons.	tons.
1920	••		10.02	4.46	1.03	·10	•84
1921	••		26.16	7.23	1.65	•11	1.32
1922	•••		28.54	3.96	1.52	•11	1.01
1923	••		22.61	5.13	1.55	·09	1.05
1924			2 3 ·25	5.76	•89	·15	•95
		ļ		1			

Except in the three seasons 1895-6, 1902-3, and 1914-15, the wheat produced during each year since 1870 has been more than sufficient to supply home consumption.

Yalues of Mre principal orops. The following table gives the annual value of each of the five principal crops, based upon prices realized upon farms, also the value of each crop per acre for each of the last five years.

Year.		An	nual Value of-		
	Wheat.	Oats.	· Barley.	Potatoes.	Hay.
	£	£	£	£	£
1919–20	5,726,667	1,848,903	477,573	1,328,640	8,304,475
1920–21	. 14,307,377	1,295,229	447,352	586,458	5,259,86 3
1921–22	. 10,509,945	931,346	401,600	555,111	4,413,091
1922–23	. 8,031,875	1,416,355	436,235	1,040,662	6,327,338
1923–24	. 8,189,069	1,455,331	262,210	701,229	5,229,162
		· · · · · · · · · · · · · · · · · · ·			
· . · ·	· · ·				
	£ s. d.	f s. d.	£ s. d.	£ s. d.	£ s. d.
Value per acre 1919-	20 2 19 7	3 6 1	5 11 11	24 12 10	788
" " 1920–	21 6 4 8	2 18 5	4 15 3	971	3 18 11
" " 1921–	22 4 0 6	2 18 5	403	8 13 9	3 16 2
" " 1922–	23 3 0 9	2 17 6	4 4 11	16 17 1	504
" " 1923–	24 3 6 9	2 15 11	4 12 9	11 16 6	4 1 10

VALUES OF FIVE PRINCIPAL CROPS.

The value of the five principal crops was £15,837,001 in 1923-24, as against £17,252,465 in the previous year, £16,811,093 in 1921-22, £21,896,279 in 1920-21, and £17,686,258 in 1919-20.

Wheat production. On the experience of the past five seasons the area under wheat for grain represented 53 per cent. of the total under all crops. The acreage, the total production, and the yield

per acre are given in the next table for decennial periods from 1860 to 1920, and for each of the last four seasons :---

					Annual Average.	
Period or S	eason	(ending in	March).	Area under Crop.	Production.	Yield per Acre
				acres.	bushels.	bushels.
1860-70	••		•••	194,714	3,480,765	17.87
1870-80	••		••	431,444	5,510,125	12.77
1880-90	•• .	••		1,077,575	10,793,936	10.02
1890-1900		• ••		1,563,403	12,610,595	8.02
1900-10	•••	•••	••	1,983,874	19,242,402	9.70
1910-20	••	••	, 	2,570,540	30,632,514	11.92
1921			·	2,295,865	39,468,625	17.19
1922	•	••		2,611,198	43,867,596	16.80
1923	••		••	2,644,314	35,697,220	13 50
1924				2,454,117	37,795,704	15.40

WHEAT PRODUCTION, 1860 to 1924.

Although a large area in districts of limited rainfall has been brought under cultivation for wheat growing during late years, the yield per acre for the State on the average of the past fourteen seasons was 12.97 bushels, which is better than the corresponding averages for decennial periods of earlier date back to 1870. This satisfactory result is largely due to the use of more prolific varieties of seed and to the more general practice of fallowing and fertilizing. In addition to the area shown for grain, 163,826 acres of wheat were cut for hay last season, so that the total area under wheat in 1923-24 was 2,617,943 acres.

The production of wheat in the other Australian States in 1923-24 was as follows:—New South Wales, 33,040,000 bushels; South Australia, 34,551,955 bushels; Western Australia, 18,920,271 bushels; Queensland, 243,713 bushels; and Tasmania, 305,628 bushels. The total production for the Commonwealth was 124,857,271 bushels. wheat growing in counties. The principal wheat growing areas are the Wimmera, Mallee, and Northern districts. Although other districts provide only small proportions of the total area they are not to be regarded as unsuitable for wheat growing, as their average yield per acre is usually greater than in the areas mentioned. The production of wheat in different counties for each of the last three seasons is shown in the following table :---

WHEAT YIELDS IN COUNTIES FOR THE LAST THREE , SEASONS.

					Year end	ed March.				
Districts and Counties.	1		Area.			Produce	•	Avera	ige pe	r Acre.
		1922.	1923.	1924.	1922.	1923.	1924.	1922.	1923.	1924.
Central-		acres.	acres.	acres.	bushels.	bushels.	bushels.	bush.	bush.	bush.
Bourke .		3,212	3,598	3,438	58,403	69,281	66,877	18.18	19.26	19.45
	•	9,759	6,628	5,812	170,429	120,755	107,589			
Mornington.	•	277	396	433	3,591	7,429	7,828			18.08
Evelyn North-Central-	-	68	}		999	1,959	2,155	14.69	18.4	20.14
	•	963	768	1,152		12,486				
	•	1,936	2,224	2,051	29,305	39,904	32,917			
Western-	••	12,657	9,085	6,389	230,027	148,533	99,560	18.17	16.32	12.28
		14,439	12,473	3,889	225,576	186,168	53,507	15.69	14.09	19.70
D .1		48	78			1,025	05,007	14.23	12.14	20.61
Heytesbury		3	4		90	46			11.50	20-01
Hampden .		10,262	14,367	9,037	176,714	263,621	133,450	$17 \cdot 22$	18.35	14.77
Ripon .		45,863	55,351	37,736			578,469	19.63	19.62	15.33
	•	2,075	2,097	397	32,066	32,907	6.278	15.45	15.69	15.81
	••	1,413			20,116	21,254	11.610	$14 \cdot 24$	17.35	18.08
	••	4,889				73,606	22,353	$13 \cdot 91$	15.56	11.38
	••	503	540	77	7,946	8,357	976	15.80	15.48	12.68
Wimmera-		175 750	100.001	100.107						
Demma	•	175,753	186,281 402,825	136,167		3,942,804	2,380,800	21.53	$21 \cdot 17$	17.48
Kara Kara	••	141,267	402,825		11,218,679 3,115,212			28.05	22.72	23.65
Mallee		111,207	140,021	141,149	3,113,212	2,100,440	2,191,925	22.03	19.17	18.10
Mall anna		2,980	2,435	1,491	18,849	7,884	16,735	6.33	3.94	11 . 22
XX7 1		196,845	197,049	188,167			1,973,614	8.89		10.49
Karkarooc .		558,420		589,959		4,661,460	7,293,987			12.36
Tatchera .		347,611	370,377	371,662	4,563,124		4,836,528			13.01
Northern-					, ,=		-,,			
	••	34,585	35,891	30,425	545,183	384,385	382,809	15.76	10.71	12.58
D	••	118,395	115,209	85,075		1,689,102	1,111,661	18.65	14.66	13.07
Deductor	••	128,715	121,520	94,627	2,219,737	1,529,560	1,307,496	$17 \cdot 25$	12.59	13.82
Maine	•	89,237		70,261	1,407,542	1,104,218	1,031,530	15.77	13.65	14.68
North-Eastern	•	266,383	254,931	267,824	4,483,925	3,145,685	4,320,837	16.93	12.34	10.13
D-1-444		6,793	8,129	6,726	83,112	136,692	124,759	10.09	16.00	19.55
Design		30,306			341,831	441.893	471,081	11.98	14.01	15.79
Benambra		217	205	332	3,808	3,570	\$ 200	17.65	17 41	25.00
Wonnangatt	a						0,200			
Gippsland-										
Croajingolon	g	63	51	39	1,108	752	754	17.59	14.75	19.33
Denne	•	95	43	37	1,174	767	806	12.36	17·84	21.78
	••	95	167			3,672	7,515	16.66	$21 \cdot 99$	31.58
Tanjil Buln Buln	•	4,507	6,121	7,279	95,366	150,295	212,718	21.16	24.55	$29 \cdot 22$
DUIL DUID .	•	571	872	672	10,601	16,971	11,707	18.56	19.46	17.42
Total .	•	2,611,198	2,644,314	2,454,117	43,867,596	35,697,220	37,795,704	16.80	13.50	15.40

The table which follows gives the average yield of wheat per acre in the principal wheat growing counties for each of the last ten years ;--

AVERAGE YIELD OF WHEAT PER ACRE IN WHEAT GROWING COUNTIES, 1914-15 to 1923-24.

District and County.	Averag	e Yield	of Whe	at per .	Acre (in	Bushel	s) durin	g Year	ended M	farc h
	1915.	1916.	1917.	1918.	1919.	1920.	1921.	1922.	1923.	1924.
Western District-										· ·
Ripon	5.03	21.58	$13 \cdot 33$	$13 \cdot 27$	10.06	16·2 6	21 · 74	19 ·6 3	19.62	15-33
Wimmera District—				:						
Lowan	1.84	16.78	17.93	16.52	15.78	$13 \cdot 47$	20 · 94	21.53	21.17	17.48
Borung	-95	19.27	$22 \cdot 49$	$22 \cdot 62$	20.01	15.76	23.79	28.05	22.72	23 · 65
Kara Kara	1.09	19.36	19.66	17 68	14 39	14.10	$21 \cdot 25$	$22 \cdot 05$	19.12	18.10
Mallee District—										
Weeah	·18	$12 \cdot 26$	14.56	10.21	6.38	3 · 4 3	14.28	8.89	8.75	10.49
Karkarooc	- 35	$10 \cdot 62$	14.78	10.94	$7 \cdot 15$	3.29	13.42	10.88	8.14	12·36
Tatchera	•37	10.09	15 · 80	$12 \cdot 30$	9 • 44	4 · 6 0	13.65	$13 \cdot 13$	7 • 41	13 ·01
Northern District-										
Gunbower	· ·23	15.33	15.89	$14 \cdot 23$	8.74	8 96	$15 \cdot 27$	15.76	10.71	12.58
Gladstone	$1 \cdot 52$	17.94	19.10	$14 \cdot 17$	11.52	12.08	18.72	18 · 6 5	14.66	13.07
Bendigo	·72	19.18	17 • 11	13.85	11.33	9.30	14.56	17.25	12.59	13·82
Rodney	1.05	20.15	14 69	12.67	10.80	6.85	15.79	15 • 77	13.65	14.68
Moira	1.74	17.88	14 · 44	11.38	10 · 70	4 · 79	$17 \cdot 46$	16.83	12.34	16.13

Varieties of Wheat.

Australian wheat is noted for its hard, white, and dry qualities, and, on account of the whiteness of the flour made therefrom, it is much sought after by overseas millers for the purpose of mixing with other wheats.

Enquiries in regard to the varieties of wheat sown for the 1924-25 season were made with the view of ascertaining those most in favour amongst Victorian growers, and of enabling the Agricultural Department to advise growers as to the most suitable varieties to grow in a particular district.

An analysis of the replies of the growers who supplied the information is given in the appended table :---

VARIETIES OF WHEAT SOWN IN VARIOUS DISTRICTS OF THE STATE, 1924-25.

		Wheat	t.		
	Dist	Number of Growers.			
Wimmera.	Mallee.	Northern.	Others.	Total.	Per cent.
number		mumber	mano han		
					60.6
60					9.4
0					5.5
					3.8
	•				3.4
19					2.9
91					1.8
					$1\cdot \tilde{5}$
-					1.3
	5	2			1.2
	113				1.2
1	76	29	4		$\hat{1}\cdot\hat{2}$
	35	23	33	91	1.0
50	185	118	126	487	5.2
2,396	2,458	3,064	1,590	9,508	100.0
	$\begin{array}{c} \text{number.}\\ 2,055\\ 60\\ 9\\ 5\\ 51\\ 13\\ 31\\ 5\\ .\\ 108\\ .\\ .\\ 1\\ .\\ 58\end{array}$	$\begin{tabular}{ c c c c c c c } \hline Wimmera. & Mallee. \\ \hline number. & number. \\ 2,055 & 927 \\ 60 & 103 \\ 9 & 436 \\ 5 & 9 \\ 51 & 197 \\ 13 & 154 \\ 31 & 29 \\ 5 & 79 \\ & 110 \\ 108 & 5 \\ & 113 \\ 1 & 76 \\ & 35 \\ 58 & 185 \\ \hline \end{tabular}$	$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$

Wheat standard.

1

The weight of an imperial bushel of wheat is 60 lbs., but the actual weight of a bushel of Victorian wheat of the fair average quality standard annually fixed by the

the fair average quality standard annually fixed by the Chamber of Commerce was 60.95 lbs. on the average of the past ten years. The following statement shows the variation in the f.a.q. standard weight of a bushel of Victorian wheat for each season since 1913-14 :=

F.A.Q. WHEAT STANDARD, 1915 to 1924.

Season ended March—			Weight of Bushel (f.a.q.).	Season end	Weight of Bushel (f.a.q.).			
	······		lbs.					lbs.
1915	••	••	62	1920			•	62
1916	•.•		61	1921	••	·]	-	60 1
1917	••		$60\frac{1}{4}$	1922	••			60
1918	•••	••	60	1923	••	i		601
1919	••		$62\frac{1}{2}$	1924	• •	{		61

Stocks of wheat and nour. A table giving the estimated stocks of wheat and flour on hand in the State on 30th June in each year from 1913 to 1922 inclusive appears on page 464 of the Year-Book for 1921-22.

Oats. In 1923-24 the area harvested for oats in Victoria was 520,654 acres, from which a yield of 9,366,205 bushels was obtained, giving an average of 17 99 bushels to the acre. The appended statement shows the harvest results for this crop for each of the last nine seasons, and for ten-year periods prior thereto back to 1865 :---

Period or	Year (ending in M	arch).	Annual Average.					
201104 01				Area under Crop.	Produce.	Average per Acre			
			· · · · · · · · · · · · · · · · · · ·	acres.	bushels.	bushels.			
1865-75	••	••	••	129,384	2,636,747	20.38			
1875-85	••	• •		147,343	3,297,468	22.38			
188595	••	••		210,901	4,649,393	$22 \cdot 05$			
1895-1905	• •	•••		340,957	6,649,453	19.50			
905-15	••	••	••	390,643	7,342,468	18.79			
916	•••	• •	· • •	353,932	9,328,894	26.36			
917	••	••		441,598	8,289,289	18.77			
918	• 、	• •		293,214	6,141,287	20.94			
.919	••			342,867	5,274,984	15.38			
920	• •		••	559,547	6,603,067	11.80			
921	• •			443,636	10,907,191	24.59			
922	• •	• • •	· · · ·	318,681	6,082,258	19.09			
923	• •		•••	492,356	8,093,459	16.44			
l924	•••	• •		520,654	9,366,205	17.99			

OATS GROWN, 1865 TO 1924.

In addition to the area for grain shown for last season there were 1,084,136 acres of oats cut for hay, so that the total area sown with oats in 1923-24 was 1,604,790 acres. During 1923-24 there were exported from Victoria to oversea countries 164,653 bushels of oats and 31,234 lbs. of oatmeal.

Varieties of Oats. Enquiries in regard to the different kinds of oats sown for the 1924-25 season showed that, of those growers who supplied the information, 91 per cent. planted principally Algerian and 8 per cent. Mortgage Lifter oats; the principal kinds planted by the remaining 1 per cent. of growers included eight varieties.

The area under barley in 1923-24 was 56,564 acres, of Barley. which 39,588 were under malting, and 16,976 under other barley. The figures in the subjoined table show the acreage, production and yield per acre for each of the last five years :----

Year	Year ended Area und		er Crop. Produ		uce. Av		erage per Acre.		
Mar	ch	Malting.	Other.	Malting.	Other.	Malting.	Other.	Total.	
1920 1921 1922 1923 1924	•••	acres. 50,049 50,297 47,686 64,648 39,588	acres. 35,274 43,657 52,441 38,125 16,976	bushels. 917,274 1,306,210 1,103,039 1,525,744 1,037,144	bushels. 611,380 1,189,552 1,233,207 916,297 418,291		bushels. 17 · 33 27 · 25 23 · 52 24 · 03 24 · 64	bushels. 17 · 92 26 · 56 23 · 33 23 · 76 25 · 73	

CULTIVATION OF BARLEY, 1919-20 to 1923-24.

During 1923-24, 1,731,903 bushels of barley were used locally in the production of 1,720,128 bushels of malt.

Potatoes.

The area planted with potatoes in 1923-24 was 59,306 acres, and the production was 238,520 tons, which represented a yield of 4.02 tons per acre, as compared with 2.40tons in the previous season and 2.72 tons in 1921-22. The following

table shows the potato returns for the last thirty-four years :---

		•		1	Annual Average.	
Period of	r Year (e	nding in Ju	ine).	Area under Crop.	Produce.	Average per Acre.
1000 1000				acres.	tons.	tons.
1890-1900	. • •	••	••	47,738	155,432	3.26
1900–10		• •	• •	48,857	142,307	2.91
1910-20				60,127	166,677	2.77
921		••		62,687	171,628	2.74
922		• •		63,895	173,660	2.72
1923		••	••	61,741	148,354	2.40
1924	·	••	·	59,306	238,520	4.02

POTATO PRODUCTION, 1890 TO 1924.

The estimated value of the potatoes produced last season was £701,229, as against £1,040,662 in the preceding year, £555,111 in 1921-22, £586,458 in 1920-21, and £1,328,640 in 1919-20.

In 1924 the production of hay amounted to 1,541,287 Hay. tons, as against 1,665,089 tons in the previous year, 1,548,453 tons in 1922, and 1,984,854 tons in 1921. The quantity of straw returned for the season 1923-24 was 44,451 tons as against 51,096 tons for the previous year. The hay returns for decennial

periods from 1890 to 1920, and each of the last four seasons, are shown in the table which follows :—

Period or	Year (er	nding in Mar	ch).	Annual Average.				
·	· .			Area cut for Hay.	Produce.	Average per Acre.		
1890-1900	•••	••	••	acres. 467,668	tons. 576.618	tons. 1 • 23		
900-10	••	••	••	664,387	894,108	1.35		
910-20	••	••	••	984,797	1,269,767	1.29		
1921 1922	••	••	••	1,333,397	1,984,854	1.49		
.923	••	••	••	1,159,135	1,548,453	1.34		
	••	••	••	1,261,408	1,665,089	1.32		
1924	••		••	1,277,606	1,541,287	1.21		

HAY PRODUCTION, 1890 to 1924.

The estimated value of the hay crop was $\pounds 5,229,162$ for 1924, as compared with $\pounds 6,327,338$ for 1923, $\pounds 4,413,091$ for 1922, and $\pounds 5,259,863$ for 1921. Of the total hay produced in 1924, 1,303,113 tons were oaten, 188,109 tons were wheaten, and 50,065 tons were made from lucerne and other crops; the yields per acre of these varieties of hay were $1\cdot 20, 1\cdot 15$, and $1\cdot 69$ tons respectively.

Prices of agricultural produce Information is obtained direct from growers, in February or March of each year, in regard to the prices of the leading agricultural products other than the main crop of

potatoes, the price of which is ascertained in June or July. The following table gives the average price of each product for each of the last ten years :---

			. A	verage Price	e in Februa	ry and Mar	ch.	
Y	ear.			Bar	ley.		Pot	atoes.
	Whea		Oats.	Malting. Other.		Нау.	Early Crop.	Main Crop (after March).
1915 1916 1917 1918 1919 1920 1921 1922 1923 1924	··· ··· ··· ··· ··· ···	$\begin{array}{c} \text{per} \\ \text{bushel.} \\ s. \ d. \\ 7 \ 0_3^3 \\ 3 \ 9 \\ 4 \ 0 \\ 4 \ 0 \\ 4 \ 0 \\ 4 \ 9 \\ 7 \ 8_2^1 \\ 7 \ 3 \\ 4 \ 9_2^1 \\ 4 \ 6 \\ 4 \ 3 \end{array}$	$\begin{array}{c} \text{per} \\ \text{bushel.} \\ s. \ d. \\ 4 \ 11\frac{1}{4} \\ 2 \ 0\frac{1}{4} \\ 2 \ 0 \\ 3 \ 1\frac{3}{4} \\ 5 \ 7\frac{1}{4} \\ 5 \ 7\frac{1}{4} \\ 3 \ 0\frac{3}{4} \\ 3 \ 6 \\ 3 \ 1\frac{1}{4} \end{array}$	$\begin{array}{c} \text{per} \\ \text{bushel.} \\ s. \ d. \\ 5 \ 8\frac{3}{4} \\ 3 \ 11\frac{1}{4} \\ 4 \ 2\frac{3}{4} \\ 5 \ 0\frac{1}{2} \\ 6 \ 7\frac{3}{4} \\ 4 \ 0\frac{1}{4} \\ 3 \ 11 \\ 3 \ 9\frac{1}{4} \end{array}$	$\begin{array}{c} \text{per} \\ \text{bushel.} \\ s. \ d. \\ 4 \ 101 \\ 2 \ 10 \\ 2 \ 10 \\ 3 \ 41 \\ 3 \ 11\frac{3}{4} \\ 5 \ 8 \\ 3 \ 1 \\ 2 \ 11 \\ 3 \ 0 \\ 3 \ 2\frac{1}{4} \end{array}$	per ton. s. d. 147 0 35 0 33 0 59 0 83 0 134 0 53 0 57 0 76 0 72 0	per ton. 8. d. 80 0 201 0 210 0 219 0 101 0 94 0 170 0 111 0	per ton. 85 0 106 0 53 0 55 0 149 0 178 0 64 0 60 0 136 0 53 0

PRICES OF PRODUCE, 1915 to 1924.

Crop.	Area.	Production.	Area.	Production.	Area.	Production
	1921	-22.	192	2–23.	192:	3-24.
	acres.	bushels.	acres.	bushels.		bushels.
Maize	23,227	951,960	25,846	879,915	29,104	1,464,731
Rye	1.320	14.442	1.291	15,718		11,151
Peas	8,659	166,474	11,149	214,544		233,047
		tons.	/	tons.	,	tons.
Mangel-wurzel	560	7,768	684	8,120	854	13,569
Beet, Carrots, Par-		,		-		
snips and Turnips	401	2,134	433	1,878	538	4,222
Onions	6,158	31,586	6,954	44,409		31,683
Green Forage	89,410	•••	$102,\!451$		107,371	••
Grass and Clover	*	bushels.		bushels.		bushels.
Seeds	1,800	12,226	1,468	7.859	1,306	6,466
	2,000	Cwt.	-,	Cwt.	-,0	Cwt.
Hops	104	1,812	194	2,071	224	2,481
Tobacco	604	3,735	890	4,151		†
Vines-Grapes	33,175	1.314.839	38,892	1,879,964	42,599	2,707,729
-		440 fibre		435 fibre) (
1	1	4,187 seed		1.725 seed		
Flax	1,640 (20 tow	> 590 ₹	25 tow		
	-/-···)	960 tons				
Gardens and Or-	· 1	of straw			1. I	
chards .	89.491		86,014		85,570	
Minor Crops	7,145*		9,082*		12,237*	
	,052,964		2,186,881		2,294,297	
	,032,304	••	2,160,881 957,454		938,547	•

* For details see page 502. † Not available.

Maize: The area under maize for grain in 1923-24 was 29,104 acres, and the production was 1,464,731 bushels, which represented a yield of 50 33 bushels per acre, as compared with 34 04 bushels in the preceding season, 40 99 bushels in 1921-22, and 44 14 bushels in 1920-21. Of the total production for last season 83 per cent. was obtained from the Gippsland district. The area, total production, and produce per acre are given in the next table for each of the last four seasons and for periods prior thereto back to 1890 :---

MAIZE PRODUCTION, 1890 to 1924.

				Annual Average.					
Period or 1	Year (en	ding in Ju	ne).	Area under Maize for Grain.	Production.	Produce per Acre.			
1890-1900	· · · ·			acres. 8,688	bushels. 452,907	bushels. $52 \cdot 13$			
1900-10	••		•••	12.082	716,158	59.27			
910-20				20,811	922.461	44.33			
1921				24,149	1,065,880	44.14			
922			••	23,227	951,960	40.99			
1923			••	25,846	879,915	34.04			
1924	••			29,104	1,464,731	50.33			

On the average of the last five seasons the yield per acre was $41 \cdot 7$ bushels, as against $45 \cdot 0$ in 1910–15, and $65 \cdot 4$ in 1900–05. The relatively light yield per acre for the latest five-year period was probably due to the cultivation of new areas, which are less fertile than the rich river flats upon which this cereal was grown exclusively in earlier periods.

The area under rye in 1923-24 was 899 acres, from which 11,151 bushels of grain were obtained. The production was 15,718 bushels in the previous season, 14,442 bushels in 1921-22, and 21,359 bushels in 1920-21. Rye was grown principally in the counties of Delatite and Talbot last season. The area under this crop in the two counties mentioned was about 60 per cent. of the total for the whole State.

The area under peas in 1923-24 was 11,216 acres, and the return, 233,047 bushels, there being a slight increase in each case on the figures for the previous year. Last season peas were grown to some extent in all districts with the exception of the Mallee. The counties from which the largest returns were obtained and the yields of these counties were as follows:—Grant, 84,732 bushels; Bourke, 28,228 bushels; Tanjil, 24,858 bushels; Buln Buln, 16,933 bushels; and Mornington, 14,556 bushels. The production of peas in the five counties mentioned was equal to 73 per cent. of the total for the whole State.

In 1923-24 there were 854 acres under mangel-wurzel, as against 684 in the previous season, 560 in 1921-22, 524 in 1920-21, 547 in 1919-20, and 581 in 1918-19. The production last year was 13,569 tons, as compared with an annual average of 7,767 tons for the preceding five-year period. Mangolds are grown principally in the Gippsland, Western, and Central districts. The production during last season in the districts mentioned represented 98 per cent. of the total for the State.

Beet, carrots, parsnips, and turnips, marsnips, and turnips, increase in area as compared with the previous season. In 1923-24 the extent of land sown was 538 acres, as against 433 in the preceding year, 401 in 1921-22, 410 in 1920-21, 460 in 1919-20, and 407 in 1918-19. The produce for last year was 4,222 tons, as compared with 1,878 in the previous season, 2,134 in 1921-22, and 2,289 in 1920-21.

Onions are grown in nearly every county south of the Dividing Range. The returns for last season show that in Grenville the yield was 7,983 tons from 1,115 acres; in Bourke, 5,039 tons from 680 acres; in Villiers, 4,428 tons from 600 acres; in Buln Buln, 4,401 tons from 673 acres; in Grant, 4,090 tons from 692 acres; in Polwarth, 3,209 tons from 452 acres; and in Mornington

2,395 tons from 458 acres. The following statement shows the area and yield for each of the last five years :—

		Year.		Area.	Produce.	
			· · · · · · · · · · · · · · · · · · ·	 i		
				acres.	tons.	
1919-20	•••	••	•••	 6,863	27,032	
1920-21				 8,000	42,985	
1921-22		•••		 6,158	31,586	
1922 - 23		•••		 6,954	44,409	
1923-24	• •			 4,714	31,683	

ONION CULTIVATION, 1919-20 to 1923-24.

The value of onions grown was $\pounds 215,444$ in 1923-24, as compared with $\pounds 139,888$ in the previous season, $\pounds 150,033$ in 1921-22, $\pounds 131,104$ in $\pounds 1920-21$, and $\pounds 274,375$ in 1919-20.

 Green forage.
 107,371 acres, as compared with 102,451 in the previous season, 89,410 in 1921-22, 79,524 in 1920-21, 89,802 in 1919-20, and 73,641 in 1918-19.

Ensilage. The practice of preserving forage in a green state has existed in Victoria for many years, but only a small number of farmers have adopted it. The returns for the last five seasons are given in the next table :—

	Year ende	d March—		Number of Farms on which made.	Number of Silos (Pits and Stacks).	Materials used.	
1920		······································		74	117	tons. 6,072	
1921				99	175	9,702	
922				107	141	5,873	
l 92 3		••	•	103	138	5,674	
1924				61	88	3,649	

ENSILAGE RETURNS, 1919-20 TO 1923-24.

The area harvested for grass and clover seed last season was 1,306 acres, as compared with 1,468 in the previous year, 1,800 in 1921-22, 1,872 in 1920-21, 1,235 in 1919-20, and 2,152 in 1918-19. The production in 1923-24 was 6,466 bushels, as against 7,859 in the previous year, 12,226 in 1921-22, 11,555 in 1920-21, 8,625 in 1919-20, and 15,443 in 1918-19.

The hop-growing industry attained its maximum development in 1883-4, when 1,758 acres yielded 15,717 cwt. In 1923-24 the return from 224 acres was 2,481 cwt. Delatite, Bogong, Bourke, Polwarth, and Buln Buln were the only counties in which hops were grown last season.

Fax. No flax was sown during the year 1923-24, but the Commonwealth Flax Committee, which is now being wound up, supplied to Drysdale farmers sufficient seed for the sowing of approximately 200 acres in the 1924-25 season, and a private company has been formed to treat the harvest. Particulars of the crop for each of the last five years are given in the following statement :---

Year.	Area under Crop.	Seed Produced.	Fibre Produced.	Tow Produced.	Straw awaiting Treatment.	
	acres.	cwt.	cwt.	cwt.	tons.	
1919-20	1,611	4,970	1,053	394	1,653	
1920–21	1,350	3,658	938	99	662	
1921–22	1,640	4,187	440	20	960	
1922-23	590	1,725	435	25		
1923-24	Nil	••	••			

FLAX, 1919-20 to 1923-24.

NOTE.—For particulars of New Zealand flax, not included in above statement, vide page 502.

In 1923-24 imports into Victoria from countries outside Australia included linseed to the value of $\pounds 27,402$, linseed oil worth $\pounds 80,970$, and fibre worth $\pounds 185,450$.

Tobacco. production reached its maximum in 1880-1, when 17,333 cwt. of dry leaf was produced. The subsequent sixteen years were marked by great variations in area and produce, and since 1896-7 the industry has become comparatively unimportant. The area devoted to this product last year was 1,047 acres, of which 465 were in Bogong, and 450 in Delatite. Particulars relating to the cultivation of tobacco for each of the last five years are as follows :---

CULTIVATION OF TOBACCO, 1919-20 to 1923-24.

	Year			Area.	Produce.
· <u></u>				acres.	cwt. (dry).
191920	••			406	2,669
1920-21				95	908
1921-22 .	•			604	3,735
1922-23	• •			890	4,151
1923-24				1,047	1 †
				,	

† Not available.

During the period 1904-15 the area under vines **Vine Production.** decreased by 6,712 acres, or by nearly 24 per cent., and the number of growers decreased by 521, or by 23 per cent. Since 1915 there has been a fairly large increase in the area and the number of growers. Vineyards are distributed fairly well over the State, and there are certain districts where the principal industries are connected with vine-growing. The Shite of Mildura produced last season 2,110,981 cwt. of grapes; Swan Hill, 300,055 cwt.; Rutherglen, 128,629 cwt.; Chiltern, 22,559 cwt.; and Stawell, 20,088 cwt. At Mildura the crop is principally dried for raisins and currants. The results of five years' operations are given below :--

					P	roduce.		
Year (Jun		of	Area.	Grapes		Raisin	s made.	Currants
•		Growers.		gathered.	Wine made.	Lexias.	Sultanas.	made.
			acres.	cwt.	gallons.	cwt.	cwt.	ewt.
1920		1,919	27,441	1,324,437	1,634,680	54,470	156,837	55,661
1921		2,066	29,255	1,072,767	2,222,305	33,150	83,737	62,919
1922		2,422	33,175	1,314,839	1,335,066	49,080	141,371	75,042
1923		2,775	38,892	1,879,964	1,717,490	67,850	217,670	98,081
1924	•••	3,047	42,599	2,707,729	2,177,127	71,993	366,834	150,867

VINE PRODUCTION, 1920 to 1924.

Of the total quantity of grapes gathered in 1924, 386,929 cwt. were used for making wine and spirits, 2,266,271 cwt. for raisins and currants, and 54,529 cwt. for table consumption and export. Of the 366,834 cwt. of sultanas made, 313,044 cwt. were from Mildura.

Raisins are produced in Victoria upon a scale far in excess of the State's requirements. It is estimated that a year's consumption of raisins is about 88,000 cwt.; consequently, about 350,000 cwt. of the production in 1924 were available for interstate or oversea export. A year's consumption of currants is about 30,000 cwt., which would enable approximately 120,000 cwt. of last season's production to be exported to other States or oversea.

The total number of persons in the State growing fruit for sale was 7,387 in 1923-24, as against 7,758 in the previous season, 8,286 in 1921-22, 7,705 in 1920-21, and 7,719 in 1919-20. The area under orchards in each of those years was 83,469, 83,880, 86,959, 84,718, and 83,574 acres respectively. The orchards are distributed fairly evenly over the whole State. The counties having

the largest areas last season were as follows :---Mornington, 14,964 acres; Evelyn, 13,794 acres; Bourke, 13,507 acres; Rodney, 9,953 acres; Moira, 7,244 acres; Talbot, 3,704 acres; and Bendigo, 3,276 acres.

The following is a statement of the number of bearing and nonbearing fruit trees and plants for the seasons 1919-20 and 1922-23 :---

RETURN SHOWING THE NUMBER OF FRUIT TREES, PLANTS, ETC., IN ORCHARDS AND GARDENS WHERE FRUIT WAS GROWN FOR SALE, 1919-20 and 1922-23.

		N	lumber of Tr	ees, Plants, d	£с.	
Fruit.		1919-20.			1922-23.	
	Not Bearing.	Bearing.	Total.	Not Bearing.	Bearing.	Total.
Apples	1,006,728	2,016,972	3,023,700	854,643	2,302,089	3,156,732
Pears	416,608	660,913	1,077,521	360,403	729,775	1,090,178
Quinces	53,639	76,377	130,016	33,041	72,316	105,357
Plums	184,909	369,784	554,693	153,020	368,355	521,375
Cherries	45,742	196,110	241,852	33,802	182,093	215,895
Peaches	332,001	750,834	1,082,835	341,485	778,650	1,120,135
Apricots	121,995	331,627	453,622	130,114	349,242	479,356
Nectarines	3,023	15,698	18,721	1,645	15,295	16,940
Oranges	147,105	240,297	387,402	224,117	279,146	503,263
Lemons	72,994	82,472	155,466	96,207	100,544	196,751
Loquats	1,778	4,202	5,980	1,138	3,337	4,475
Medlars	86	106	192	27	55	82
Figs	14,663	29,667	44,330	7,069	29,149	36,218
Guavas	61	134	195	92	182	274
Pomegranates	39	89	128	243	107	350
Persimmons	319	403	722	427	384	811
Total Large						
Fruits	2,401,690	4,775,685	7,177,375	2,237,473	5,210,719	7,448,192
Raspberries		316,498	316,498	••	308,647	308,647
Loganberries		158,431	158,431		139,084	139,084
Strawberries		2,148,044	2,148,044	1	2,432,038	2,432,038
Gooseberries		323,037	323,037	29,418	185,922	215,340
Mulberries	326	1,133	1,459	355	901	1,256
Olives	310	2,372	2,682	208	1,577	1,785
Currants (Red, White, and						
Black)	9.033	27,707	36,740	6,939	29,779	36,718
Passion-fruit	19,902	26,969	46,871	27,133	41,148	68,281
Almonds	9,423	20,378	29,801	9,792	21.987	31,779
Walnuts	7,812	4,819	12,631	7,019	5,223	12,242
Filberts	288	804	1.092	246	628	874
Chestnuts	269	380	649	262	692	954
Total Nuts	17,792	26,381	44,173	17,319	28,530	45,849

The area of orchards growing fruit for sale in 1923-24-83,469 acres—showed a reduction of 411 acres as compared with the area for the previous year. Details of the produce from such orchards in the last five years are given in the subjoined statement :--

ORCHARDS GROWING FRUIT FOR SALE, 1919-20 to 1923-24.

		Number of	Area of Gardens	LARGE FRUITS GATHERED.					
Year ende	ed March	Fruit- growers.	and Orchards.	Apples.	Pears.	Quinces.	Plums.		
			· ·		-				
			acres.	bushels.	bushels.	bushels.	bushels.		
1920		7,719	83,574	2,227,317	723,857	96,115	274,329		
1921	••	7,705	84,718	1,451,069	759,148	63,194	297,055		
1922	••	8,286	86,959	1,768,800	681,024	76,946	207,432		
1923	•••	7,758	83,880	2,089,017	666,631	63,837	258,117		
1924		7,387	83,469	1,663,308	858,611	76,167	241,818		

Large Fruits Gathered -continued.

	a a	Cherries.	Peaches.	Apricots.	Oranges.	Lemons.	Figs.	Other.
t.								
		bushels.	bushels.	bushels.	bushels.	bushels.	bushels.	bushels
1920	••	89,604	960,773	301,009	137,184	74,427	19,255	44,225
1921	••	81,619	728,272	251,996	169,335	87,867	23,386	33,024
192 2		66,969	905,477	208,215	237,949	103,127	22,359	43,897
1923		92,407	966,952	290,876	259,330	109,347	15,313	32,246
1924		63,662	938,908	352,604	210,595	95,443	27,772	34,577

ORCHARDS GROWING FRUIT FOR SALE, 1919-20 TO 1923-24continued.

	[SMALL]	FRUITS C	ATHERED.	NUTS GATHERED.				
Year ended March	Rasp- berries.	Straw- berries.	Goose- berries.	Currants, Red, Black, & White.	Other	Almonds.	Walnuts.	Filberts.	Chest- nuts.
	ewt.	cwt.	cwt.	cwt.	cwt.	lbs.	lbs.	lbs.	lbs.
1920	3,844	2,724	6,958	439	4,010	75,438	51,448	1,610	12,712
1921	3,105	3,024	6,388	399	6,239	32,519	16,557	374	12,947
1922	3,112	2,784	5,543	378	4,940	72,006	33,452	1,504	13,104
1923	2,682	3.321	5,243	401	5,236	74,588	43,064	1,031	10,713
1924	2,160	3,831	3,657	283	3,046	76,905	29,665	964	6,190

The following return shows the average produce per bearing tree for the seasons 1913-14, 1916-17, 1919-20, and 1922-23:--

Fruit Trees.	AVERAGE PER BEARING TREE.							
	1913–14.	1916-17.	1919-20.	1922-23.				
	bushels	bushels.	bushels.	bushels.				
Apples	1.03	:34	1.10	•91				
Pears	1.07	1.14	1.10	•91				
Quinces	1.03	1.11	1.26	•88				
Plums	•83	·65	•74	•70				
Cherries	·80	.17	•46	•51				
Peaches	$1 \cdot 02$	1.35	1.28	1.24				
Apricots	$1 \cdot 21$	•78	•91	·83				
Nectarines .	1.18	1.41	1.53	•96				
Oranges	1.16	•59	·57	.93				
Lemons	1.49	1.11	·90	1.09				
Loquats	·24	·29	·52	•34				
Medlars	•29	.07	·28	·20				
Figs	·85	·87	·65	•53				
Passion Vines	·75	•44	•65	•39				
Guavas	·02	•42	·24	•13				
Pomegranates	•54	•32	·31	•17				
Persimmons	•68	•82	•69	•61				
	lbs.	lbs.	lbs.	lbs.				
Almonds	4.87	2.51	3.70	3.39				
Walnuts	5.35	1.34	10.68	8· 2 5				
Filberts	•56	3.60	2.00	1.64				
Chestnuts	18.94	26.66	$33 \cdot 45$	15.48				

PRODUCE OF FRUIT TREES.

In addition to the fruits shown, large quantities of melons, rhubarb and tomatoes were produced in the orchards, the following being the quantities returned for 1923-24:-Melons, 5,526 cwt.; rhubarb, 8,753 dozen bundles; and tomatoes, 209,963 bushels. There were also 2,101

acres laid down in gardens growing fruit for private use; the value of the produce from these was estimated at about $\pounds 10,500$.

According to prices received by growers the value of value of fruit fruit which reaches market was estimated to be £1,248,500 in 1919-20, £1,029,700 in 1920-21, £1,184,100 in 1921-22, £1,172,300 in 1922-23, and £1,193,689 in 1923-24. This, of course, does not represent the actual value of all the fruit grown, as large quantities are privately consumed in various ways. No very reliable estimate of the value of such fruit can be prepared, but it may be set down at about £40,000.

Market gardens. The area under market gardens in the year 1923-24 was 16,212 acres. As these gardens are generally situated near large centres of population, the producers are able

to dispose of the bulk of their goods with a minimum loss from waste, &c. An average return of £50 per acre is regarded as a fair estimate of their value, and on this basis the total value of the produce may be given as £810,600. This does not include crops of one acre and over of potatoes, onions, mangel-wurzel, beet, carrots, parsnips, and turnips grown in market gardens, such crops being tabulated under their respective heads in the returns relating to agriculture.

Dried fruit (weight after drying) was (vectusive of Raisins and Currants). Dried fruit (weight after drying) was (vectusive of Raisins and Currants). During 1923-24 the quantity produced was 926,162 lbs., which was 35 per cent. less than the quantity for the previous year. The production of the various kinds of dried fruit, with the exception of raisins and currants, the particulars of which appear on page 497, is shown in the following statement for each of the last five seasons :---

	ended 1e —	Apples.	Prunes.	Peaches.	Apricots.	Figs.	Pears.	Total.*
		lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
1920		52,759	211,714	226,498	69,125	46,711	139,634	746,441
1921	·	72,530	388,729	451,525	338,617	30,811	118,857	1,410,080
922		10,689	298,068	232,003	221,297	32,578	149,600	948,649
923		5,354	376,491	454,899	518,196	29,632	36,915	1,435,528
924	· · ·	3,104	395,090	168,948	217.624	6,226	132,217	926,165

DRIED FRUIT, 1919-20 to 1923-24.

* Including nectarines, of which there were 4,414 lbs. in 1922, 14,041 lbs. in 1923, and 2,953 lbs. in 1924.

A striking feature of the returns for the season 1923-24, as compared with those for the previous year, is the decrease in all fruits except prunes and pears.

The following is a return of the minor crops for the last two seasons. The items do not in all cases represent the whole of the respective crops grown, but refer only to such as were taken cognisance of by the collectors. The return, therefore, indicates the nature of the crops rather than the full extent of their cultivation:---

			1922-23.	, 1	923-24.
Crop.		Area.	Produce.	Area.	Produce.
Beans Chicory Flowers Garlic	••	acres. 1,138 739 263 17	24,008 bushels 640 tons (dry) 68 tons	acres. 979 608 368 3	20,861 bushels 690 (dry) 9 tons
Herbs	••••	25	••	6	
Flax-New Zealand	•••	90	63 tons fibre	90	*
Millet-Broom		1,304	4,200 cwt. fibre 3,200 cwt. seed		14,480 cwt. fibre 15,340 cwt. seed
" Japanese	••••	756	4,660 cwt. seed		15,100 ,, ,,
Nurseries		996		985	11.011.4000
Pumpkins	•;	1,549	4,551 tons	2,163	11,211 tons
Seeds—Agricultural Garden	and	47		88	
Sugar Beet	•••	2,045	20,444 tons clean beet, producing 2,784 tons mar- ketable sugar	1,937	29,512 tons clean beet, pro- ducing 3,499 tons market- able sugar.
Sunflowers Others	•••	113 	739 cwt.	231 11	2,263 cwt.
Total	••	9,08 2	< • •	12,237	••

MINOR CROPS, 1922-23 AND 1923-24.

* Awaiting treatment.

Land in The practice of fallowing has become very popular in recent years. This is no doubt due to the more enlightened methods adopted, especially in wheat farming, where results have justified the introduction of extensive fallowing in conjunction with heavy manuring. The acreage in fallow in the years 1901, 1906, 1911, and each of the last nine years was as follows:—

Year ended March-		Acres.	Year ended Ma	Acres.		
1901			602,870	1919	••	1,548,121
1906			1,049,915	1920		1,357,536
1911			1,434,177	1921		1,935,747
1916	••		1,358,343	1922		2 ,052,964
1917			1,899,559	1923		2,186,881
1918			1,672,729	1924		2.294,297

LAND IN FALLOW.

Nearly all of the fallowed area is devoted to wheat production. Of the 2,294,297 acres in fallow last season, 739,480 were in the Wimmera, 713,072 in the Mallee, and 594,472 in the Northern District. The total for these three districts represented, therefore, 89 per cent. of the land fallowed in the State.

The increase in the proportion of farmers using manure Manure used. indicates the popularity and the value of this method of treating the soil. Last year the number of farmers who used manure was 39,749, as compared with 26,159 in 1911, 11,439 in 1901, and 7,318 in 1898. The following table shows the number of farmers using manure, and the quantity used, in 1901, 1906, 1911, and 1916, and each of the last three years:---

Year.		Farmers using. Area used on.		Manure used—			
					Natural.	Artificial.	
				acres.	tons.	tons.	
1901	••		11,439	556,777	153,611	23,535	
1906	•••		23,072	1,985,148	205,906	60,871	
1911 (, . 		26,159	2,676,408	205,739	82,581	
1916			33,165	3,870,742	181,268	117,812	
1921			37,835	3,848,184	161,683	150,012	
922	•••	• • •	40.037	4,148,780	173,343	172,897	
1923			39.749	4,113,640	163,843	178,621	

MANURE USED FOR FERTILIZATION, 1901 to 1923.

The area on which manure was used represented only 7 per cent. of that under crop in 1898, but since then the proportion manured has rapidly increased. In 1901, it was 19 per cent.; in 1903, 36 per cent.; in 1905, 56 per cent.; in 1909, 66 per cent.; in 1913, 77 per cent.; and in 1923, 88 per cent. During 1923-24 the quantity of fertilizers imported into Victoria from oversea countries was 130,618 tons valued at £339,858. This included 84,979 tons of rock phosphates valued at £197,079, and 41,097 tons of guano valued at £90,414 all of which came from the Pacific Islands.

Characteristics This subject is fully dealt with in the Year-Book for of Victorian 1915-16, page 740.

Persons employed on Farming, Dairying, and Pastoral Holdings.

Wages-

pastoral.

and

Information is obtained by the collectors of agricultural statistics each year as to the number of persons ordinarily employed upon the land occupied. For the last five years the numbers were as follows :---

NUMBER OF PERSONS EMPLOYED UPON FARMING, DAIRYING, AND PASTORAL HOLDINGS, 1919 to 1923.

Year.			Males.	Females.	Total.	
1919			98,308	54,318	152,626	
920	••		100,236	51,014	151,250	
921			106,369	53,059	159,428	
922			107,872	48,978	156,850	
1923			105,933	46,218	152,151	

Persons absent from their farms for the greater portion of the year following other occupations, as well as temporary hands engaged in harvesting, &c., are not included in the above tabulation, neither are domestic servants nor cooks; but females partly engaged in outdoor duties in connexion with the holdings are included therein. It is estimated that the temporary labour employed on farms and pastoral holdings is equivalent to about 30,000 men employed continuously throughout the year.

In the next return will be found particulars of the rates of wages paid (with rations) upon farms and pastoral agricultural holdings during 1923-24. The information has been furnished by the occupiers of holdings.

WAGES, AGRICULTURAL AND PASTORAL, 1923-24.

Occupations.	Range.	Prevailing Rate.
Ploughmen	30s. to 72s. per week	50s. per week
Farm labourers	30s. to 60s. per week	40s. per week
Threshing machine hands	12d. to 18d. per hour	15d. per hour
Harvest hands	10s. to 15s. per day	12s. per day
Milkers	25s, to 60s. per week	37s. 6d. per week
Maize pickers (without rations)	7d. to 12d. per bag	8d. per bag
Married couples	50s. to 80s. per week	60s. per week
Female servants	15s. to 35s. per week	25s. per week
Men cooks	40s. to 70s. per week	50s. per week
Shearers, hand (without rations)	35s. to 40s. per 100 sheep	38s. per 100 sheep
" machine (without		
rations)	35s. to 40s. per 100 sheep	38s. per 100 sheep
Gardeners, market	30s. to 60s. per week	40s. per week
" orchard	30s. to 60s. per week	40s. per week
Vineyard hands	30s. to 60s. per week	40s. per week

PASTORAL AND DAIRYING INDUSTRIES.

Live Stock. The pastoral and dairying industries have always been important sources of wealth to the State, and their increasing value in recent years, despite the larger areas devoted to cultivation, indicates that both pastures and stock are, on the whole, steadily improving. The progress of stock breeding is shown in the next table, which gives the numbers of horses, dairy cows, other cattle, sheep and pigs, and their numbers per head of population and per square mile, in each of the last seven census years, also in the year 1924.

			Horses	Catt	le—		
	Year.		(including Foals).	Dairy Cows.	Other.	Sheep.	Pigs.
			number.			number.	number.
1861			76,536	number. 197,332	number. $525,000$	5,780,896	61,25
1871	••	••	209,025	212,193	525,000 564,534	10,477,976	180,10
1881	••	••	209,025 275,516	329,198	957.069	10,360,285	241,93
1891	••	••	436,469	395,192	1,387,689	12,692,843	282,45
1901	••		430,409	595,192	1,080,772	10,841,790	350.37
1911	* • •		472,080	668,777	878,792	12,882,665	333,28
1921	••	••	487,503	620.005	955.154	12,171,084	175.27
1924	••	••	486,075	738,149	853,218	11.059.761	259,79
1927	••	••	400,010	[730,149	000,210	11,009,701	205,18
				Per	Head of Po	pulation.	
861	••	•••	·14	•37	·97	10.70	• • 11
1871			$\cdot 29$	·29	•77	14.32	$\cdot 25$
1881			$\cdot 32$	-38	1.11	12.01	·28
1891	• • •		$\cdot 38$	·35	$1 \cdot 22$	11.13	$\cdot 25$
1901			•33	$\cdot 43$	$\cdot 90$	9.03	• 29
1911			·36	•51	·67	9.79	$\cdot 25$
1921			$\cdot 32$	•41	.63	7.99	$\cdot 12$
924	••	•••	· 30	•45	$\cdot 52$	6.80	·16
		:			Per Square	Mile.	
1861	• ••		·87	2.25	5.97	65.78	.70
1871	••		$2 \cdot 38$	2.41	6.42	119.22	2.05
1881			3.14	3.75	10.89	117.88	2.75
891		• •	4.97	4.50	15.79	144.43	$3 \cdot 21$
1901	••		$4 \cdot 46$	5.94	$12 \cdot 30$	$123 \cdot 36$	4.00
911	·		5.37	7.61	10.00	146.59	3.79
1921			· 5·55	7.05	10.87	$138 \cdot 49$	1.99
924			5.53	8.40	9.71	125.84	2.96

LIVE STOCK IN VICTORIA, 1861 to 1924.

By reducing horses and cattle to an equivalent in sheep on the assumption that one of the former will eat as much as ten, and one of

the latter as much as six sheep, interesting comparisons of the stock carried on the land at different periods may be instituted. Calculations made on this basis show that each square mile carried an equivalent of 290 sheep in 1924, as compared with 302 in 1921, 306 in 1911, and 237 in 1881.

Size of holdings in 1913 and 1919.

Information relating to land occupied and cultivation and live stock thereon has been collected at various dates. the last collection having been in March, 1919. The land privately owned was summarized according to differentsized holdings, and in the instances where Crown lands were held in conjunction therewith these were, regardless of size,

scheduled with the holdings to which they were attached. Particulars of the size of holdings and cultivation thereon are

given in the following table for the years 1913 and 1919:-

Privately	owned	Land.		Crown Land held		Area u	inder—
Size of Holdings. (In acres.)	Year.	Number of Hold- ings.	Area Occupied.	in conjunc- tion with that privately owned.	Total Area Occupied.	Cultiva- tion.	Pasture, &c.
			acres.	acres.	acres.	acres.	acres.
1 and under 100 s	1913		915,493	374,511	1,290,004	245,498	1,044,50
	1919		942,775	347,377	1,290,152	241,794	1,048,35
100 ,, 321 (1913		3,819,680	1,216,829	5,036,509	875,525	4,160,98
	1919		3,967,377	840,116	4,807,493	807,434	4,000,05
321 " 641 (1913		5,475,942	1,191,890	6,667,832	1,424,020	5,243,81
	1919		5,790,225	1,480,407	7,270,632	1,490,476	5,780,15
641 " 1,000 §	1913		4,187,010	1,241,667	5,428,677	1,075,000	4,353,67
	1919	5,709	4,523,331	1,071,162	5,594,493	1,105,867	4,488,62
1,000 " 2,500 <u>ś</u>	1913	4,544	6,748,985	1,852,529	8,601,514	1,546,611	7,054,90
2,500 , 5,000 7	1919	5,010	7,291,675	2,300,465	9,592,140	1,379,247 352,258	8,212,89
2,500 ,, 5,000]	1913	855	2,803,419	1,085,769 716,245	3,889,188		3,536,93
5,000 " 10,000 g	1919		2,825,855 1,825,862	342,848	3,542,100 2,168,710	270,426 111,910	3,271,67 2,056,80
5,000 ,, $10,000$	1913	290	1,996,606	378,877	2,375,483	83.014	2,292,46
0,000 and upwards	1913		2,652,966	404,710	3,057,676	39,606	3,018,07
e,000 and upwards	1919		2,638,307	124,045	2,762,352	35,979	2,726,37
C	1919	- 10	2,000,001	121,010	-,,02,002	00,010	~, . 20,01
Total (1913	66,811	28,429,357	7,710,753	36,140,110	5,670,428	30,469,68
	1919		29,976,151	7,258,694	37,234,845	5,414,237	31,820,60

SIZE OF HOLDINGS AND CULTIVATION THEREON.

The number of holdings of over 10,000 acres was 152 in 1919, as compared with 151 in 1913, 175 in 1910, and 195 in 1906, and the aggregate areas comprised therein in the years mentioned were 2,638,307 acres, 2,652,966 acres, 3,298,227 acres, and 4,134,067 acres respectively.

Size of holdings and how they were utilized, 1913 and 1919, various percentages relating to holdings of different sizes are given for those years in the succeeding table, which also shows the live stock carried by the

holdings, reduced to their equivalent in sheep :---

SIZE OF HOLDINGS AND HOW UTILIZED, 1913 AND 1919.

•			Perce	ntage in to To	each Div tal of	ision	Live Stock (reduced to eq in Shee	uivalent
Size of Holdings of Private Land. (In Acres.)	3	Year.	Area Occupied.	Area under Cultivation.	Area used for Pasture, &c.	Equivalent in Sheep Grazed.	Total.	Per 100 Acres used for Grazing, &c.
1 and under		1913	$3.57 \\ 3.46$	$4 \cdot 33 \\ 4 \cdot 47$	$3 \cdot 43 \\ 3 \cdot 29$	$7.08 \\ 6.50$	1,766,873	169
100 "	321	1919 1913	13.94	15.44	13.66	17.67	1,909,552 4,410,283	$\begin{array}{c} 182 \\ 106 \end{array}$
321		1919 1913	$12 \cdot 91 \\ 18 \cdot 45$	$14 \cdot 91 \\ 25 \cdot 12$	$\frac{12 \cdot 57}{17 \cdot 21}$	$17 \cdot 40 \\ 17 \cdot 14$	5,107,256 4,278,079	$128 \\ 82$
-521 ,,		1913	18.45 19.53	$25 \cdot 12$ 27 · 53	$17 \cdot 21$ 18 \cdot 17	17.14 17.48	4,278,079 5,132,920	89
641 ,, 1		1913	15.00 15.02	18.95	14.29	12.15	3,031,015	70
	i 1 1	1919	15.03		14.11	12.37	3,630,165	81
1,000 ,, 2		1913	$23 \cdot 80$		$23 \cdot 15$		5,076,868	72
0 500		1919	25.76		$25 \cdot 81$	$22 \cdot 28$		80
2,500 " 5		1913 1919	$10.76 \\ 9.51$	$rac{6\cdot 22}{5\cdot 00}$	$11.61 \\ 10.28$	$9 \cdot 22 \\ 8 \cdot 84$	2,300,276 2,594,808	65 79
5,000 10		1919	6.00	1.98	$ \begin{array}{r} 10 \ 28 \\ 6 \ 75 \end{array} $			84
9,000 ,, 1 0		1919	6.38	1.50 1.53	7.20			88
0,000 and upwards		1913	8.46		9.90			78
		1919	7.42	·66	8.57	8.28	2,431,720	89
Total		1913	100.00	100.00	100.00	100.00	24,957,112	82
		1919					29,356,865	92
							}	

Horses and cattle have been reduced to an equivalent in sheep on the assumption that one head of the former will eat as much as ten, and one of the latter as much as six sheep.

Particulars of the number of holdings of different sizes and of the cultivation and live stock thereon in March, 1919, are given in greater detail than in the above tables in the Year-Book for 1919-20, pages 510 and 511.

Land occupied in different districts.

The following tables show the land in occupation in March, 1924, in districts, and the uses to which the land was applied :---

LAND IN OCCUPATION IN EACH DISTRICT OF VICTORIA, MARCH, 1924.

				Acres Occupie	d.	
District.	Number		For I	Pasture.	Other	1.
	of Occupiers.	For Agricultural Purposes.	Sown Grasses, Clover, or Lucerne.	Natural Grasses,	Purposes and Unproduc- tiwe.	Total.
Central	18,207	528,020	134,981	2,016,123	139,876	2,819,000
North-Central	5,874	143,468	42,129	1,907,450	62,566	2,155,613
Western	13,234	396,106	255,337	5,812,250	323,004	6,786,697
Wimmera	6,736	1,707,468	1,150	3,987,602	260,315	5,956,535
Mallee	8,277	2,320,765	3,969	2,518,862	601,449	5,445,045
Northern	12,873	1,520,728	75,656	3,657,486	36,250	5,290,120
North-Eastern	5,661	173,416	3,895	3,844,672	196,958	4,218,941
Gippsland	9,524	186,470	507,474	3,605,534	703,960	5,003,438
Total	80,386	6,976,441	1,024,591	27,349,979	2,324,378	37,675,389
Central North-Central Western Wimmera Mallee	··· ···	$18.73 \\ 6.66 \\ 5.84 \\ 28.66 \\ 42.62$	4·79 1·95 3·76 0·02 0·07	$71 \cdot 52 \\88 \cdot 49 \\85 \cdot 64 \\66 \cdot 95 \\46 \cdot 26$	$\begin{array}{c} 4 \cdot 96 \\ 2 \cdot 90 \\ 4 \cdot 76 \\ 4 \cdot 37 \\ 11 \cdot 05 \end{array}$	$ \begin{array}{r} 100 \cdot 00 \\ 100 \cdot 00 \\ 100 \cdot 00 \\ 100 \cdot 00 \\ 100 \cdot 00 \end{array} $
Northern		28.74	1.43	69.14	0.69	100.00
North-Eastern		4.11	0.09	91.13	4.67	100.00
Gippsland		3.72	10.14	72.07	14.07	100.00
Total		18.52	2.72	72.59	6.17	100.00
	Ры	CENTAGE I	N EACH D	ISTRICT OF	TOTAL IN S	STATE.
Central	22.65	7.57	13.17	7.37	6.02	7.48
North-Central	7.31	2.06	4.11	6.98	2.69	5.72
Western	16.46	5.68	24.92	21.25	13.90	18.01
Wimmera	8.38	24.47	0.11	14.58	$13 00 \\ 11 \cdot 20$	15.81
Mallee	10.30	33.27	0.39	9.21	25.88	14.45
Northern	16.01	21.79	7.39	13.37	1:56	14.05
North-Eastern	7.04	$2179 \\ 2.49$	0.38	13 31 14.06	8.47	11.20
Gippsland	11.85	$2.49 \\ 2.67$	49.53	13.18	30.28	$11 20 \\ 13 \cdot 28$
Total	100.00	100.00	100.00	100.00	100.00	100.00

(Areas of 1 acre and upwards.)

It will be seen from these tables that the largest areas under cultivation and the largest proportions of cultivation to land occupied are

found in the Northern, Wimmera, and Mallee districts. Of the occupied land, about 29 per cent. in the Northern, 43 per cent. in the Mallee, and 29 per cent. in the Wimmera district are devoted to agriculture, and these divisions supply nearly 80 per cent. of the cultivation in Victoria. In the North-Central, Western, and North-Eastern districts the land occupied is largely devoted to grazing; in Gippsland considerable attention is given to the cultivation of grasses, nearly 50 per cent. of all the sown grasses in the State being found in that district.

Areas occupied The next table contains particulars of the distribution and stock of horses, cattle, and sheep on agricultural and pastoral lands in March, 1924.

	Area Occ	upied for-	Number of—				
- •	Agriculture.	Pasture.	Horses.	Cattle.	Sheep.		
	acres.	acres.					
••	528,020		99,083	268,541	936,207		
	143,468	1,949,579	23,361	96,507	991,912		
	396,106	6,067,587	63,750	368,321	3,789,393		
	1.707.468	3.988.752	69.792	57.106	1.882.879		
	2,320,765	2.522.831	65.471	48,798	549.681		
			91.040		1.592.098		
					700.038		
•••	186,470	4,113,008	41,490	327,691	617,553		
	6,976,441	28,374,570	486,075	1,591,367	11,059,761		
	•••	Agriculture. acres. 528,020 143,468 396,106 1,707,468 2,320,765 1,520,728 173,416 186,470	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$		

AREA OCCUPIED AND STOCK THEREON, 1924.

The area occupied does not include 2,324,378 acres which are mostly in an unproductive state. Compared with 1923, cattle decreased by 11 per cent., sheep by 6 per cent., and horses by nearly 2 per cent.

Live stock The following return shows the live stock in Victoria in In Victoria, 1920 to 1924. classified in conjunction with holdings and sheep classified in different-sized flocks in March, 1919, are given on page 511 of the Year-Book for 1919-20, and page 518 of this volume.

1922. 1923. 1924. Live Stock. 1920. 1921. Horses (including 513,500 487,503 496,124 494,947 486,075 foals) Cattle-Dairy Cows 794,898 738,149 623,652 620,005 719,473 (including Other calves) 1,007,468 955,154 1,030,896 990,762 853,218 . . 11,059,761 12,325,818 Sheep 14,422,745 12,171,084 11,765,520 . . 186,810 175,275 230,770 294,962 259,795 Pigs . .

LIVE STOCK IN VICTORIA, 1920 to 1924.

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Prices of Live Stock. In the subjoined table will be found a statement of the average and the range of prices ruling in Melbourne during the years 1922-23 and 1923-24 for live stock. The information has been extracted from the Melbourne Stock and Station Journal:---

PRICES IN MELBOURNE OF LIVE STOCK, 1922-23 AND 1923-24.

Stock.			Pri	ices i	n 1	922	-23						. Pr	ices	in 1	923	-24	•		
SIOCE.	Av	eraş	ge.	_		Ra	ing	e.			Av	era	ge.			R	ing	e.		
Horses. Extra heavy draught	£ 33	8. .7	d. 6	£ 30	s. 0 0		to	£ 40 27	s. 0 0	d. 0	£ 34 26	8. 17 7	d. 6	£ 33 25	s. 0 10		to to	£ 37 27	s. 0 0	d. 0 0
Medium draught Delivery cart Saddle and harness Ponies Order cart	$25 \\ 20 \\ 5 \\ 8 \\ 10$	6 4 7	0 0 0 0 0		0 10 15	0 0 0	to to to to	22 6 9	000000	0 0 0 0 0	18 5 7	2 0 15 10	6 0 0 0	17	10 10 0 0	0 0 0	to to to	20 6 9 10	0 0 0	000000
Fat Cattle. Bullocks— Extra prime Prime Good	17 15 12	$^{14}_{3}_{8}$	0 0 0	14 12 10	9 16 7	0	to	$27 \\ 23 \\ 18$	15	0 0 6	21 18 15		0 0 0	14	$17 \\ 1 \\ 19$	Ō	to	33 28 22		0 6 0
Good light and handy weights Second	10 7	4 2	0	8 5	11^2			14 10	11^2	0 0	11 9	$^{12}_{2}$	0	9 7	7 15		to to		$\frac{5}{15}$	0 0
Best Others		$10\\16$	0	8 4	12^2		to to	17 9	17 5	0 0	$12 \\ 6$	10^{2}	0 0	9 5	12 8	6 0	to to	19 9	$\begin{array}{c} 11 \\ 19 \end{array}$	0 0
Dairy Cattle. Best milkers Springers, best	11 10	2 10	6 0	- 8 8	12 8			14 14	$\begin{array}{c} 0 \\ 5 \end{array}$	0 0		17 10			$12 \\ 15$			15 14		0
Fat Sheep. Wethers (cross)— Extra prime Prime Good Ewes (cross)—		16 12 7		1 1 1		3	to to to	2 2 2		6 1 10	2 2 1	6 2 17	3	1 1 1		6	to to to	3 2 2	16	$^{3}_{10}$
Extra prime Prime Good	1 1 0	3	1 2 11	000000000000000000000000000000000000000	16	1	to to to	2 2 1	$7 \\ 2 \\ 15$	9 3 4		18 14 9	5	1 1 1	5	3 2 2		2		1
Wethers (merino)— Extra prime Prime Good Ewes (merino) best			23	1 1 0 0	$\frac{1}{17}$	777	to to to	2	10	8 0 6 1			7	1 1 1 1	9 5	$\frac{2}{10}$	to to to	22	14 1	0
Fat Lambs.Extra primePrimeGoodSecond		5 0	4	1 1 0 0	2 17	0	to to to		18 13	0 7 0 1			7	1 1 1 0	6	8	to to to	1	18 12	11
Pigs. Back Fatters— Extra heavy prime Extra prime and				8		-		10	-	0	11		•••		9 19			12		
weighty Baconers— Extra prime Prime Porkers	4		0	5 4 3 2	3 12	0	to to to	5	16 12 16 13	0	8 6 5 2	3	3. O	4	; 7 ; 10 ; 14 ; 15	Ó	to to to		5 18 5 17	

stock The following is a statement of the stock slaughtered slaughtered. on farms and stations, as well as in municipal abattoirs, during each of the last five years :---

	Year.	Number Slaughtered.					
		 Sheep and Lambs.	Cattle.	Pigs.			
1919		 6,324,490	362,475	329,190			
1920		 4,244,798	374,545	240,557			
1921	••	 4,005,587	331,707	239,638			
1922	•/•	 5,863,195	424,199	308,172			
1923	••	 4,078,273	461,958	373,609			

STOCK SLAUGHTERED, 1919 to 1923.

The purposes for which the slaughtered animals were used were infollows :—

PURPOSES FOR WHICH STOCK WERE SLAUGHTERED, 1919 to 1923.

Year.	For Butc	her and Priv	ate Use.*	Fo	r Export.	
· · · · · · · · · · · · · · · · · · ·	Sheep.	Cattle.	Pigs.	Sheep.	Cattle.	Pigs.
1919	3,136,059	281,636	126,509	2,854,059	44,437	1,000
1920	1,835,419	353,429	82,315	2,385,966	14,912	5,465
1921	2,794,790	310,428	55,521	1,186,704	16,694	7,335
1922	3,184,411	413,650	107,022	2,657,515	4,251	•••
1923	3,372,722	449,101	139,405	691,630	4,011	••
				1		
	For Pres	serving and S	alting.	For I	oiling Dow	m.
Year.						
Year.	For Pres	erving and S Cattle.		For I Sheep.	cattle.	n. Pigs.
Year.						
	Sheep.	Cattle.	Pigs.	Sheep.	Cattle.	Pigs.
1919 1920	Sheep.	Cattle.	Pigs.	Sheep.	Cattle.	Pigs.
1919 1920	Sheep. 283,966 2,067	Cattle. 32,580 1,133	Pigs. 201,480 152,556	50,406 21,346	Cattle. 3,822 5,071	Pigs. 201 221

* Including carcasses held in Cool Stores at end of year.

Of the 4,078,273 sheep and lambs slaughtered in Victoria in 1923, 691,630, or 17 per cent., were frozen, as compared with 2,657,515, or 45 per cent., in 1922. In 1923-24 the oversea exports included 22,386,640 lbs. of mutton and lamb, valued at £670,195.

The soil and climate of Victoria are well suited to the Mutton and Lamb frozen economical production of both mutton and lamb. and. as for Export. there is practically no limit to the demand for these products in Europe, the possibilities for those engaged in raising sheep for export are very great, especially as the number of sheep in the world is not keeping pace with the increase in population. The importance of this export trade to Victorian sheep owners is evidenced by the figures in the appended statement showing the numbers of carcasses exported in each of the last ten years. In the four years 1915-16 to 1918-19 the quantity exported was small in comparison with earlier years. The chief reasons for this were, in 1915-16, a drought in the preceding year, and, in the three following years, the lack of shipping space. In the year 1919-20 the exports were much greater than in any previous year, due mainly to the accumulations of the previous three years. The quantities exported in 1920-21 were below the average, owing to the dry condition which had prevailed in the previous year. After a world-wide fall in values, the season 1922-23 was marked by exceptionally heavy exports of both mutton and lamb at improved prices. In the 1923-24 season the export of mutton practically ceased, while the number of lambs exported was only about 40 per cent. of that for the previous year. The abnormal activity in 1922-23 was, to some extent, responsible for the great reduction in exports in 1923-24. Other reasons were a tendency among owners to retain their flocks in expectation of high prices for wool, and the demand for breeding ewes from New South Wales, where a drought had depleted the flocks.

Year (en	ding in Ju	ne).	Number of Carcasses Exported.					
· ·			Mutton.	Lamb.	Total.			
191415	•••		653,329	1,056,823	1,710,152			
1915-16	••		••	47,546	47,546			
1916-17	••		52,724	365,694	418,418			
1917–18			66,730	129,537	196,267			
1918-19	• •		401,382	267,588	668,970			
1919-20	••	· · · ·	2,468,090	1,533,410	4,001,500			
1920-21	••		288,190	497,896	786,086			
1921 - 22	••		314,564	872,140	1,186,704			
1922-23	••		989,456	1,668,059	2,657,515			
1923-24			12,945	678,685	691,630			

FROZEN MUTTON AND LAMB EXPORTED.

Dairying. The dairying industry is one of the principal sources of the wealth of the community. The value of dairy produce in 1924 was £10,561,940, as compared with £10,381,310 in the previous year, £9,512,980 in 1922, £11,816,670 in 1921, and £9,262,710 in 1920. The following table shows the numbers of cowkeepers and cows at the end of, and the total production of butter and cheese in each of the last five years :---

Year ended March—			Number of Cow- keepers.	Number of Dairy Cows.	Butter made.*	Cheese made.	
,					lbs.	lbs.	
1920	••		56,659	623,652	60,218,945	7,735,023	
1921	••		58,117	620,005	64,938,458	3,636,571	
1922	••		60,882	719,473	82,981,570	5,675,909	
1923			62,424	794,898	84,355,939	3,754,958	
1924			61.685	738.149	86,888,723	7,216,938	

DAIRYING, 1919-20 to 1923-24.

* Year ended 30th June.

An interesting example of the possibilities of dairying **Dairy Cow's** and of the value of selective breeding, combined with scientific feeding, is furnished by the following authenticated record (supplied by the Department of Agriculture), over a period of three years, of a Jersey cow.

Calved.	Days in Milk.	Total Milk.	Average Test.	Total Butter-fat.	Milk Yield on last day of Test.		
22nd September, 1921 8th February, 1923 25th March, 1924	273 273 273	lbs. 6,827 11,185 15,799	per cent. 5.08 5.16 5.34	lbs. 347 578 843]		1bs. $19\frac{1}{2}$ $40\frac{1}{2}$ 42	
1924.—15,799 lbs. o 1,495 gallon					59 1	••	d. 7 2
Total return Cost of feed					$\begin{array}{c} 72\\21 \end{array}$	3 .6	9 6
Cred	it balance	e for nine m	onths		50	7	3

Jersey cow, born 27th August, 1919.

Butter and cheese made on farms. The next table shows the quantities of butter and cheese made on farms in the last five years :---

	Year en	ded June-	- .		Butter.	Cheese.	
	·					· · · · ·	
					lbs.	lbs.	
920		•••	••		4,743,906	937,030	
921	• • •				5,086,723	492,952	
922	••		• •		5,480,421	316,249	
923	•••	••			5,582,469	418,873	
924	••	••			5,597,128	420,552	

BUTTER AND CHEESE MADE ON FARMS.

Butter and cheese made in factories. The quantities of butter, cheese, and concentrated, condensed, and powdered milk made, and of cream sold, in factories during the last five years were as follows:---

BUTTER, CHEESE, ETC., MADE IN FACTORIES, 1919-20 то 1923-24.

	Year	ended Ju	ne	Butter made.	Cream sold.	Cheese made.	Concentrated, Condensed, and Powdered Milk made.
				lbs.	gallons.	lbs.	lbs.
1920		••	•••	55,475,039	147,736	6,797,993	44,219,389
1921		••		59,851,735	153, 124	3,143,619	42,643,871
1922		• •		77,501,149	160,490	5,359,660	48,354,210
1923				78,773,470	213,170	3,336,085	38,314,261
1924		••		81,291,595	373,236	6,796,386	49,909,632
- •					· · ·		

NOTE.—In addition, 2,946,346 lbs. of casein and 445,430 lbs. of milk sugar were made in 1923-24.

The quantities of milk, in gallons, received at factories and creameries were 1147,455,930 in 1919-20, 154,042,550 in 1920-21, 193,507,110 in 1921-22, 196,171,380 in 1922-23, and 206,915,177 in 1923-24.

In 1923-24 there were exported from Victoria to coun-Exports of tries outside Australia 35,578,812 lbs. of butter, valued at butter and abooeo £2.751.312, all of which, except 236.284 lbs., was Australian produce. The quantity sent to the United Kingdom was 27,295,805 lbs., valued at £2.055.754. The quantity of cheese exported to oversea countries was 753,856 lbs., and the value thereof, £31,071.

Woof production.

Information relating to the wool clip is obtained direct from the growers, and an allowance is made for the wool on Victorian skins, both stripped and exported. On this basis the production of wool in 1923-24 and earlier seasons was as follows :---

VICTORIAN WOOL CLIP AND ESTIMATED TOTAL PRODUCTION

District.		Wool Clip, 1923-24.					
District.	Sheep.		Lambs.			Total.	
	lbs.		i i	bs.		lbs.	
Central	4,353,047	7		3,263		4.696.310	
North-Central	5,213,078		307,499			5,520,577	
Western	22,878,94		1,21	3,846	2	24,092,794	
Wimmera	12,408,00	7	63	3,463	1	3,041,470	
Mallee	3,732,174	ŧ.	13	7,360		3,869,534	
Northern	8,708,993	3	50	9,484]	9,218,477	
North-Eastern	3,490,52	5	20	2,786	-	3,693,311	
Gippsland	3,022,048		172,034		ţ	3,194,082	
(1923–24	63,806,820 3,519,735 67		7,326,555				
1922-23	71,088,919	•	5,105,031		76,193,950		
Total Clip < 1921-22	72,829,509	9 5,36		2,465 7		78,195,346 71,149,941 98,379,589	
1920-21	67,617,476 91,282,613		3,53				
(1919–20			7,09				
				· · · · · ·	·		
	1920-21.		1921-22.	19222	3.	1923-24.	
Wool clip Wool stripped from Vic- torian skins and on	lbs. 71,149,941	lbs. lbs. 78,195,346 76,193,95		950	lbs. 67,326,555		
torian skins and on Victorian skins ex- ported (estimated)	19,100,630	25,317,431		26,274,000		15,186,806	
Total production	90,250,571	71 103,512,777		102,467,950		82,513,361	
Total value	£4,729,400	5	£4,662,750	£6,380,600		£7,695,000	

In 1923-24 there were 9,463,675 sheep and 1,614,147 lambs shorn, as compared with 9,920,239 sheep and 2,278,303 lambs in 1922-23, 10,072,358 sheep and 2,471,431 lambs in 1921-22, and 10,595,458 sheep and 1,725,305 lambs in 1920-21.

Weight of a fleece. The next table shows the production of wool per sheep and per lamb shorn in each of the last five years :---

					Weight of a Fleed	ce.
	Year.		-	Sheep.	Lambs.	Sheep and Lambs combined.
				lbs.	lbs.	lbs.
1919-20	••			7.44	2.26	6.38
1920-21	••			6.38	$2 \cdot 05$	5.77
1921-22	••	••	• • •	$7 \cdot 23$	2.17	6.23
1922– 2 3	••	••		7.17	2.25	6.25
1923-24	••			6.74	2.18	6.08
					1	

WEIGHT OF A FLEECE, 1919-20 to 1923-24.

The production of wool in Victoria, the quantity and value of that used locally for manufacturing purposes, and the balance available for export, in each of the last five years, were as follows :---

WOOL PRODUCTION : HOME CONSUMPTION AND EXPORTABLE BALANCE, 1919-20 to 1923-24.

Year.	Produc	ction.	Used in Ma	sed in Manufactures. Available for E		or Export.
	Quantity.	• Value.	Quantity.	Value.	Quantity.	Value.
	lbs.	£	lbs.	£	lbs.	£
1919– 2 0	132,847,167	7,908,007	11,300,400	612,105	121,546,767	7,295,90
1920-21	90,250,571	4,729,400	12,799,590	639,980	77,450,981	4,089,42
1921-22	103,512,777	4,662,750	13,293,010	553,875	90,219,767	4,108,87
1922-23	102,467,950	6,380,600	15,926,225	995,389	86,541,725	5,385,21
1923 - 24	82,513,361	7,695,000	13,068,648	1,218,500	69,444,713	6,476,50

Prices of weal. The following information as to the average prices of wool per lb. which have prevailed during the last three seasons has been obtained from Melbourne wool brokers :---

Class of Wool.	Av	erage Price per lb. i	n
	1921-22.	1922-23.	1923-24.
GREASY MERINO.			
Extra Super (Western District) Super	28d. to 36d. 22d. to 24d. 16d. to 18d. 12d. to 14d. 8d. to 10d. 24d. to 26d. 16d. to 18d. 11d. to 12d. 7d. to 8d. 3d. to 5d.	34d. to 36d. 27d. to 30d. 23d. to 25d. 18d. to 20d. 14d. to 16d. 28d. to 30d. 20d. to 22d. 16d. to 17d. 13d. to 14d. 6d. to 9d.	43d. to 44d. 34d. to 38d. 27d. to 28d. 24d. to 26d. 19d. to 21d. 32d. to 34d. 24d. to 27d. 18d. to 20d. 15d. to 18d. 10d. to 12d.
GREASY CROSSBRED.			
Extra Super Comebacks Super Comebacks Fine Crossbred Medium Crossbred Coarse Crossbred and Lincoln Super Fine Crossbred Lambs Good Crossbred Lambs Coarse and Lincoln Lambs	22d. to 24d. 17d. to 19d. 13d. to 15d. 8d. to 10d. 3d. to 5d. 14d. to 16d. 8d. to 10d. 4d. to 5d.	29d. to 31d. 24d. to 26d. 18d. to 20d. 14d. to 16d. 7d. to 9d. 20d. to 22d. 12d. to 14d. 8d. to 10d.	37d. to 40d. 30d. to 34d. 24d. to 26d. 18d. to 19d. 11d. to 13d. 22d. to 24d. 16d. to 18d. 10d. to 12d.
SCOURED.			
Extra Super Fleece Super Fleece Good Fleece Average Fleece	42d. to 46d. 34d. to 38d. 26d. to 30d. 18d. to 22d.	46d. to 50d. 40d. to 44d. 32d. to 36d. 24d. to 26d.	58d. to 62d. 54d. to 56d. 46d. to 50d. 36d. to 44d.
Record Prices for the Season.			
Greasy Merino Fleece , Comeback Fleece , Merino Lambs , Comeback Lambs Scoured Fleece	421d. 31d. 321d. 241d. 51d.	$\begin{array}{c} 40\frac{1}{2}d.\\ 38\frac{1}{2}d.\\ 41\frac{1}{2}d.\\ 28d.\\ 57\frac{3}{4}d.\end{array}$	46½d. 42¼d. 43¼d. 37d. 64d.

PRICES OF WOOL, 1921-22 TO 1923-24.

Flocks of sneep in districts. The following statement, which is based on returns received in March, 1919, contains information in regard to the numbers of flocks and of sheep in the different districts of the State :---

NUMBERS OF FLOCKS AND OF SHEEP IN DISTRICTS, 1919.

$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	District.		Nun	Number of		Percentage of-		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				Flocks.	Sheep.		Flocks.	Sheep.
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Central		•••	3,384	1,377,304	407	11.94	8.75
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	North-Central		••	2,434	1,371,189	563	8.59	8.71
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Western	••		6,080	4,848,391	797	$21 \cdot 46$	30.80
Northern 5,286 2,499,582 473 18.65 15.8 North-Eastern 2,449 $1,038,230$ 424 8.64 6.64 Gippsland 2,909 $1,325,171$ 455 10.27 8.42	Wimmera			4,282	2,440,595	570	15.11	15·5C
North-Eastern 2,449 1,038,230 424 8.64 6.64 Gippsland 2,909 1,325,171 455 10.27 8.44	Mallee	·		1,514	840,734	555	5.34	5.34
Gippsland 2,909 1,325,171 455 10.27 8.4	Northern	•••		5,286	2,499,582	473	18.65	15.88
	North-Eastern			2,449	1,038,230	424	8.64	6.60
Total 28,338 15,741,196 555 100.00 100.00	Gippsland	••	••	2,909	1,325,171	455	10.27	8.42
	Total	••		28,338	15,741,196	555	100.00	100.00

The figures do not include 32,706 sheep which were travelling on roads or were located in cities and towns. A comparison with figures based on collections made in 1913 and earlier years appears on page 464 of the *Year-Book* for 1918–19.

Sizes of Flocks. Excluding sheep travelling and those in cities and towns, the following table contains a classification for the whole State of sheep according to sizes of flocks :---

SHEEP	ACCORDING	TO	SIZES	OF	FLOCKS,	1919.
-------	-----------	----	-------	----	---------	-------

•			Num	ber of-	Percentage of-		
Size of F	locks.		Flocks.	Sheep.	Flocks.	Sheep.	
Under 500	••	••	20,430	3,185,381	72.10	20.24	
500 to 1,000			4,339	2,972,551	15.31	18.88	
1,000 ,, 2,000			2,233	3,005,850	7.88	19.10	
2,000 5,000	••		955	2,733,598	3.37	17.35	
5,000 ,, 10,000	••		247	1,691,768	·87	10.75	
10,000 ,, 20,000		••	111	1,516,830	·39	9.64	
Over 20,000	••		23	635,218	•08	4.04	
Total	••	••	4 28,338	15,741,196	100.00	100.00	

The above figures are compared with the corresponding ones for 1913 on page 465 of the *Year-Book* for 1918-19. Twenty-one of the 23 largest and 70 of the 111 second largest flocks in 1919 were in the Western District.

Live Stock in Australia and New Zealand. 1923 for the Federal Capital Territory; June, 1924, for

New South Wales and South Australia; March, 1924, for Victoria and Tasmania; January, 1924, for New Zealand; and December, 1923, for Queensland, Western Australia, and the Northern Territory:—

		Cat	tle.			
State, &c.	Horses.	Dairy Cows.	Other.	Sheep.	Pigs.	
Victoria	486,075	738,149	853,218	11,059,761	259,795	
New South Wales	658,372	864,455	2,074,067	37,539,413	323,196	
Federal Capital Terri-				· · ·		
tory	1,345		6,275	139,063	274	
Queensland	661,593	512,529	5,883,985	16,756,101	132,243	
South Australia	258,489	136,438	276,834	6,596,875	73,414	
Northern Territory	44,603	84	3,718	4,728	649	
Western Australia	181,944	61,832	891,932	6,595,867	61,478	
Tasmania	37,570	70,497	149,854	1,557,716	47,101	
New Zealand	330,430	1,312,588	2,250,909	23,775,776	414,271	

LIVE STOCK IN AUSTRALASIA.

Bee-keeping. The returns for 1923-24 show that there were in that year 3,535 bee-keepers, who owned 54,521 frame and 6,239 box hives, producing 2,066,167 lbs. and 44,546 lbs. of honey respectively, and 25,371 lbs. of beeswax. The number of bee-keepers owning 20 hives and upwards was 668, as compared with 584 in the previous season. The quantity of honey produced in the Wimmera, the chief producing district, was 1,154,591 lbs. in 1923-24, as compared with 855,364 lbs. in the previous season. The more important particulars of the industry for the last five years are given below :---

ВЕЕ-КЕЕРІNG, 1919-20 то 1923-24.

Season ended May	Number of Bee-keepers.	Number of Hives.	Honey produced.	Beeswax produced.
			lbs.	lbs.
	3,914	40.970	1,396,704	24,735
921	3.408	37.075	1,724,942	24,222
922	4.046	50,147	2,712,675	32,737
923	3,756	52,060	2,285,000	27,182
1924	3,535	60,760	2,110,713	25,371
	_,			

State expenditure on rabbit destruction. Active operations for the destruction of rabbits, &c., on Crown lands were first undertaken by the Government in 1880, and from that date to 30th June, 1924, sums amounting to ±1,051,839 had been expended in connexion therewith, including subsidies to Shire Councils for the destruction of wild animals. The following are the amounts spent since 1879 :---

EXPENDITURE ON DESTRUCTION OF RABBITS, ETC.

£				£
142,963	1920-21	••		36,158
208,638	1921-22	•••		40,766
170,050	1922-23			47,410
320,365	1923-24	••	••	85,489
	208,638 170,050	208,638 1921-22 170,050 1922-23	208,638 1921-22 170,050 1922-23	208,638 1921–22 170,050 1922–23

In addition to the expenditure of £1,051,839 referred to above, sums have frequently been advanced from Loan Funds for the purchase of wire netting for supply to municipalities and land owners. The amounts of these advances in the last five years were as follows:— £13,540 in 1919-20, £44,380 in 1920-21, £15,447 in 1921-22, £23,731 in 1922-23, and £26,275 in 1923-24. A complete system, administered by an officer called the Chief Inspector under the Vermin Destruction Act, exists for effectually keeping the rabbits under control.

Rabbits, the quantity of rabbits, hares, and wild-fowl sold at the the Melbourne Fish Market in each of the last five years was Fish Market. as shown in the following statement :---

RABBITS, HARES, AND WILD-FOWL SOLD AT THE MELBOURNE FISH MARKET, 1919-20 to 1923-24.

Yea	Year (ending in June). Rabbits.		Hares.	Wild-fowl.		
				pairs.	brace.	brace.
1919 - 20	••	••		444,456	••	20,022
1920 - 21	••	••		405,564	40	7,158
1921-22	• •	••		429,372	8	21,708
1922 - 23	••	••		431,196	21	16,428
1923 - 24				448,656	42	8,148

Frozen rabbits, &c., rabbit and hare skins have been exported to oversea exported. countries, the numbers and values for each of the last five years being as follows :--

RABBITS AND HARES AND RABBIT AND HARE SKINS EXPORTED OVERSEA, 1919-20 to 1923-24.

Year (ending in June).	ear (ending in June).		Rabbit and Hare Skins.			
	Quantity.	Value.	Quantity.	Value.		
1919–20	pairs. 2,725,692	£ 224,737	lbs. 3,266,621	£ 780.038		
1920–21	1,094,689	131,130	1,893,827	326,681		
1921–22	454.052	35,385	2,623,228	201,921		
1922-23	141,312	10,176	2,140,915	237,853		
1923-24	80,499	8,477	2,073,613	282,266		

FISHERIES.

Numbers of men and boats engaged in the fishing men and boats industry at the different fishing stations throughout the engaged in fishing. State are given in the following table for the year 1923-24:--

VICTORIAN FISHERIES—MEN AND BOATS EMPLOYED, 1923-24.

Fishing Stations.	Number of Men.	Во	ats.	Value of Nets and other
	or men.	Number.	Value.	Plant.
	-			
			£	£
Anderson's Inlet	8	6	189	92
Anglesea River	2	2	40	27
Barwon Heads and Ocean Grove	7	4	670	67
Brighton	8	5	79	137
Corner Inlet, Welshpool, Toora, and		1		
Port Franklin	75	55	7,277	2,795
Dromana	28	21	1,004	319
Frankston	9	7	216	178
Geelong	75	44	4,444	1.116
Gippsland Lakes	195	133	8,391	5,785
Kerang	2	2	6	20
Lorne	3	2	140	65
Mallacoota	2	2	34	40
Mentone	15	9	350	159
Mordialloc, Chelsea, and Carrum	34	28	1,118	296
Mornington	39	25	2,752	683
Portarlington and St. Leonards	88	58	4,126	1,703
Portland	47	31	4,468	594
Port Albert	39	23	2,540	962
Port Campbell	2	2	120	24
Port Fairy	40	31	6,640	573
D. 4 M. 11	48	29	2,672	844
0	123	64	13.272	879
Rainbow	3	3	60	20
9	51	30	3,094	484
Dentara and Den	50	28	2.183	488
Sorrento, Portsea, and Rye	18	10	334	130
m	10	5	195	90
Wanna and a st	18	14	760	174
XX7 • 1	10	5	386	280
Wernbee Waranga Basin	22	16	208	244
Western Port (Cowes, Hastings, Grant-	~~	10	200	244
ville, Flinders, San Remo, and Tooradin)	123	92	9,457	2.836
Williamstown	35	21	1.710	733
XX7 .1	8	5	1,710	67
Wonthaggi	0		- 62	01
Total	1,234	812	79,017	22,904

Melbourne The quantities and values of fish sold in the Melbourne Fish Market. Fish Market during each of the years 1922-23 and 1923-24 were as shown in the next table.

FISH SOLD IN THE MELBOURNE FISH MARKET, 1922-23 and 1923-24.

	1922-2	23.	1923-24.		
	Quantity.	Value.	Quantity.	Value.	
		£		£	
Fresh Fish (Victorian) lbs.	9,458,170	135,170	8,174,520	133,517	
Crayfish doz. Imported Fish (fresh	32,729	30,274	33,105	29,795	
or frozen) lbs.	2,726,958	68,174	3,382,348	84,558	
Oysters bags	8,876	36,563	9,803	37,606	
Total		270,181		285,476	

In addition to the above, 9,726 cwt. of smoked fish, and 723 baskets of prawns were sold in this market in 1923-24.

Victorian The quantity and value of fish caught in Victorian fish sold. waters and sold in the Melbourne and Ballarat markets and elsewhere in 1923-24 were as follows :---

Marl	cets.	Quant	ity.	Value.		
		Fish.	Crayfish.	Fish.	Crayfish.	
Melbourne Ballarat Other	•••	 lbs. 8,174,520 566,064 220,225	doz. 14,325 2,436 624	£ 133,517 8,440 3,597	£ 12,893 1,646 562	
Total	••	 8,960,809	17,385	145,554	15,101	

VICTORIAN FISH SOLD IN 1923-24.

Fish In connexion with this subject, the quantities and values imported. of the different classes of fish imported are of interest. Particulars of imports from oversea countries in each of the last two years are given in the following statement:—

FISH IMPORTED, 1922-23 AND 1923-24.

			1922	-23.	1923-24.	
			Quantity.	Value.	Quantity.	Value.
				£		£
Fresh or Frozen	·	lbs.	1,679,684	50,216	2,169,942	61,739
Smoked	••	,,	30,564	2,569	54,681	3,862
Fresh Oysters	••	cwt.	2,924	4,081	368	269
Potted or Concentrated, &e.				10,281		17,264
Preserved in tins, &c.		lbs.	6,090,118	256,514	7,229,629	317,182
N.E.I	••	ewt.	3,835	13,455	2,516	7,934
Total	••			337,116		408,250

The most important item in this table is fish preserved in tins and other air-tight vessels, of which 1,276,259 lbs. came from the United Kingdom and 3,249,964 lbs. from Canada, in 1923-24.

In Victoria the natural conditions are eminently suitable for agricultural and pastoral pursuits, and there is room for considerable expansion in these avenues of production. There is little need to fear over-production, as the United in Victoria. There is little need to fear over-production, as the United Kingdom offers an almost unlimited market for many articles which could be supplied from this State. This is readily seen from the figures in the subjoined table, which show the values of certain articles imported into the United Kingdom from Australia, other British Possessions, and Foreign Countries for each of the years 1921, 1922, and 1923:—

IMPORTS OF CERTAIN ARTICLES INTO UNITED KINGDOM FROM AUSTRALIA, OTHER BRITISH POSSESSIONS, AND FOREIGN COUNTRIES, 1921, 1922, and 1923.

			Value of Imports into United Kingdom from					
Articles.	Year.	Australia.	Other British Possessions.	Foreign Countries.	All Countries.			
Butter {	1921 1922 1923	£ 11.479,626 6,996,678 4,726,340	£ 9,261,866 10,944,134 14,340,028	£ 21,598,455 19,374,724 25,168,166	£ 42,339,947 37,315,536 44,234,534			
Cheese	1921 1922 1923	501,912 434,118 246,568	$15,408,725 \\ 10,364,632 \\ 12,799,489$	1,314,320 1,236,855 1,934,636	17,224,957 12,035,605 14,980,693			
Wheat	1921 1922 1923	$17,783,123 \\ 10,265,586 \\ 2,597,083$	$\begin{array}{c} 15,\!540,\!733\\ 14,\!344,\!172\\ 22,\!580,\!958 \end{array}$	37,282,212 34,184,425 28,389,827	70,606,068 58,794,183 53,567,868			
Wheatmeal and Flour {	1921 1922 1923	$\begin{array}{r} 1,627,426\\ 1,378,076\\ 1,215,869 \end{array}$	7,168,404 5,312,521 3,998,175	10,268,195 3,981,133 2,993,912	19,064,025 10,671,730 8,207,956			
Meat{	1921 1922 1923	8,097,492 6,680,141 7,024,600	26,664,727 18,895,151 19,562,073	97,513,808 76,393,599 82,517,807	132,276,027 101,968,891 109,104,480			
Fruit—Fresh, Dried, etc{	1921 1922 1923	2,179,189 3,182,570 2,712,896	$\begin{array}{c} 6,677,162\\ 6,839,648\\ 6,118,175 \end{array}$	35,801,498 34,137,246 33,141,409	44,657,849 44,159,464 41,972,480			
Wine{	1921 1922 1923	183,370 147,913 178,708	$56,836 \\ 46,485 \\ 76,104$	5,077,769 5,437,293 5,487,909	5,317,975 5,631,691 5,742,721			
Wool{	1921 1922 1923	18,914,465 27,379,129 21,267,968	18,638,851 25,494,379 19,665,317	3,997,569 5,977,176 5,743,570	41,550,885 58,850,684 46,676,855			
Hides and Skins, Undressed $\ldots \bigg\{$	$\begin{array}{c} 1921 \\ 1922 \\ 1923 \end{array}$	$\begin{array}{c} 1,045,668\\ 1,981,563\\ 2,632,027\end{array}$	4,455,351 6,018,370 6,190,591	5,413,727 6,936,602 8,035,986	$\begin{array}{r} 10,914,746\\ 14,936,535\\ 16,858,604 \end{array}$			
Tallow and Stearine $\left\{ \begin{array}{c} \\ \end{array} \right.$	1921 1922 1923	509,408 718,445 504,640	907,119 880,617 796,361	793,281 735,393 1,136,284	2,209,808 2,334,455 2,437,285			
Leather	1921 1922 1923	336,236 386,075 340,534	2,166,417 2,682,734 3,491,441	5,842,849 7,658,216 7,241,926	8,345,502 10,727,025 11,073,961			
Total—Eleven Articles{	1 921 1 922 1 923		106,946,191 101,822,843 109,618,712	224,903,683 196,052,662 201,791,432	394,507,789 357,425,799 354,857,377			

Agriculture in Victoria and Great Britain.

The figures relating to agriculture and live stock in Victoria and Great Britain in 1923 are, for comparative purposes, placed side by side in the table which follows :----

AGRICULTURE AND LIVE STOCK IN VICTORIA AND GREAT BRITAIN, 1923.

a.					Victoria.	Great Britain
Area						-
	••	••	•••	acres	56,245,760	56,208,959
Wheat	••	• •	••	bushels	37,795,704	59.210.667
Oats	••	••*	••	,,	9,366,204	113,400,000
Barley	••	••		,,	1,455,435	49,235,200
Peas	••	••			233,047	2,523,920
Potatoes				tons	238,520	3,579,000
Furn ips and	l swedes				4,222*	
Mangolds			••	"	13,569	17,440,000
Hay				"		6,969,200
Horses	•,•	••	••.		1,541,287	8,597,000
Cattle	••	••	••	No.	486,075	1,252,704
	••	••	• •	,,	1,591,367	7,016,582
Sheep	••	••	• •	,,	11,059,761	20,621,256
Pigs	••	••	••	,,	259.795	2,797,633

* Includes beet, carrots, and parsnips.

MINING.

The supervision of mining and the inspection of mines are regulated by Act of Parliament. Authority for all mining operations, whether on Crown or private lands, must be obtained in the prescribed manner, and mining leases giving the right to enter on private land for mining purposes may be issued to another than the owner.

Miners' The taking out of a "miner's right" entitles the holder to prospect for gold on Crown lands. The right may be had on payment of a sum of 2s. 6d. per annum and remains in force for any number of years not exceeding fifteen. The holder is entitled to take possession for mining purposes of a defined parcel of Crown lands, which is called a "claim." The revenue in 1923-24 from miners' rights was £2,164.

Mining Leases. Leases for the purpose of mining for gold are granted for a term not exceeding fifteen years at a yearly rental of 2s. 6d. per acre. For mining leases of land to be worked by means of dredging or hydraulic sluicing the yearly rent is 5s. per acre. Other mineral and coal mining leases are also issued at varying rates. The revenue from these sources in 1923-24 was £4,572.

Area The area of Crown and private lands under occupation for mining purposes on 31st December, 1923, was 47,361 acres. The subjoined table shows the area being worked for different minerals :--

AREA UNDER OCCUPATION FOR MINING PURPOSES, 31st DECEMBER, 1923 (CROWN LAND AND PRIVATE LAND).

	Natu	re of Mineral	, &c.			Area.
						acres.
Gold	•••	••	••	••	••	32,600
Coal (ordinary)	••	••	••	••	•••	4,716
Coal (brown)	••	••		••	••	887
Aluminium	••	••	••		••	37
Bluestone	••	••	••	••	••	22
Clay Slum	••	••		••	••	143
Copper	••		••	••	•••	99
Copper and Silver	••	••	••		••	71
Dolomite and Clay					•	1
Eurite and Gold						11
Franite	••					16
ypsum						1,190
Iematite and Iron C			•••			8
nfusorial Earth		••	••	••	••	9
ron	•••	••	••	••	••	335
ron Oxides	••	••	••	••	•••	24
Kaolin	••	••	••	••	••	64
		••	••	••	••	219
imestone	••	• •	••	••	••	219
· · · · · · · · · · · · · · · · · · ·	••	••	••	••	••	
lagnesite	••	••	••	••	••	114
fanganese		••		••.	••	2,068
Anganese and Coba		••	••	••	••	19
farble	••	••	••	••	••	106
Iolybdenite	•••		••	••	• •	431
Iolybdenite, Copper	, and	Silver	••	••	••	29
)chre	••	••	• •	••	••	- 3
Dil			• •	• •	••	238
Dil and Gas	••	•••	••	• • •	••	108
Dxide	••	••	••	• •	••	3
Pigments	•••	••		• • ·	••	5
Pigments and Clay		••		••	. • •	21
Pigments and Limest	one	••				43
Quicksilver						55
alt						45
and		 				49
ilicate of Alumina						79
ilver and Gold						129
ilver and Lead			•••	••		187
late	••	••	••	••		71
ulphates and Oil	•••	•••	••	••		224
in	••	••	••	••		1,829
Volfram	••	••	••	••	••	1,029
	••	••	••	••	••	
Volfram and Tin	••	••	••	••	••	454
Vater-right Licences		••	••	•.•	••	563
Tota	l	••	••		•	47,361

Mining development. The mining industry has been well fostered by the Government, not only in the way of financial assistance but also by means of geological surveys and boring. Apart from the annual expenditure of the Mines Department from consolidated revenue, of which a statement is appended, loan moneys amounting to £510,454 (including £239,432 expended on the State Coal Mine), and portions of surplus revenues of past years amounting to £85,000, had been expended or advanced for developmental purposes from 1st July, 1899, to 30th June, 1924.

STATE EXPENDITURE ON MINING, 1919-20 to 1923-24.

Item.	Expenditure from Consolidated Revenue.						
	1919-20.	192021.	1921-22.	1922-23.	1923-24.		
· · · · · · · · · · · · · · · · · · ·	£	£	£	£	£		
Mines Department	24,423	27,359	26,785	27,085	26,176		
State Coal Mine	367,733	385,105	499,076	436,753	519,536		
Brown Coal Mine	98,053	75,186	44,426	48,886	45,830		
Coal Mines Regulation-Sinking		1	1				
Fund and Depreciation Fund	56,613	22,419	82,786	22,342	39,628		
Diamond drills for prospecting	11,703	10,992	9,809	9,411	10,597		
Testing plants	4,028	4,643	3,212	3,148	3,499		
Geological and underground							
surveys of mines	2,138	2,443	2,506	3,071	3,436		
Mining Development—		•			1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -		
Advances to companies, &c.,	1	1					
boring for gold, coal, &c	16,993	9,006	8,161	6,963	6,711		
Miscellaneous	5,347	1,702	2,024	1,806	2,107		
Total	587,031	538,855	678,785	559,465	657,520		

Yearly grants are also made to Schools of Mines, particulars of which will be found on page 331 of this work. Since 1st July, 1899, £510,454 has been apportioned from loan receipts and expended on mining development; details of this expenditure appear in the next statement :---

LOAN MONEY EXPENDED ON MINING DEVELOPMENT.

e

		L.
Advances to companies - Development of mining		62,740
,, Boring for gold and coal, &c.	••	62,532
Construction of roads and tracks for mining purposes		57,579
Plant for testing metalliferous material		12,357
Construction of races and dams		8,260
Advances to miners for prospecting	••	27,839
Purchase of cyanide process patent rights	••	20,000
Equipping Schools of Mines with mining appliances	••	9,975
State Coal Mine		239,432
Miscellaneous		9,740
Total		510,454

The advances from loan moneys and revenue to mining companies to 30th June, 1924, for the development of mining, totalled £255,917, of which sum £39,975 had up to that date been repaid, £47,790 realized, and £133,837 written off, leaving £34,315 outstanding. Interest received during 1923-24 amounted to £410, and interest outstanding on 30th June, 1924, to £3,691.

The mineral production of the State is summarized in the subjoined statement, which contains particulars of mineral production. the recorded production of all metals and minerals up to the end of the year 1923.

Total

TOTAL MINERAL PRODUCTION TO 31st DECEMBER 1923.

Metals and Minerals.	Recorded p	prior to 1923.	Recorded d	uring 1923.		Total Recorded to end of 1923.		
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.		
	Fine ozs.	ę	Fine ozs.	£	Fine ozs.	£		
Gold	70,967,131 1,448,833	301,448,435 220,386		405,245 963	71,062,534 1,455,137*	301,853,680 221,349		
Silver { Platinum	30,577 311	7,880 1,671	••		30,577 311	7,880		
Coal, black	tons. 9,729,912 633,9.3	6,279,328 218153	tons. 476,823 116,888	$525,270 \\ 38,019$	tons. 10,206,735 750,831	6,804,598 256,172		
Orc-copper	18,730 16,710	218 133 218,590 915,594		10,371	18,730 16,788	230,172 218,5×0 925,965		
" antimony " silver-lead	$102,994 \\ 793$	578,021 5,760	1,760 	14,112	104,754 793	592,133 5,760		
" iron " manganese Wolfram	5,434 407 118	$12,540 \\ 1,949 \\ 11,785$	••	••	5,434 407 118	12,540 1,949 11,785		
Diamonds Sapphires, &c.		128 630				128		
Gypsum Magnesite	50,709 1,481	35,757 4,491	12,761 75	$10,176 \\ 225$	63,470 1,556	45,933 4,716		
Kaolin Diatomaceous earth Pigment clays	$22,558 \\ 8,057 \\ 1.6.7$	29,233 33,137 2,059	2,307 123	2,384 635	24,865 8,057 1,770	31,617 33,137 2,694		
Phosphate rock Molybdenite	12,168 700	12,918 6,916	480	713 6,250	12,648	13,631 13,166		
Fluorspar Bluestone, freestone	623	1,888	••		623	1,888		
granite, &c.† Limestone, &c.‡	} •	6,917,597	••	518,064	••	7,435,661		
Total	•••	316,964,846	•-	1,532,427		318,497,273		

* Extracted from gold at the Melbourne Mint. † From 1866 only. ‡ Record from 1900.

NOTE --- The value of gold as shown above is based on the average value of Victorian gold received at the Melbourne Mint.

Gold was first found in Victoria in 1849 in the Pyrenees Gold mining. Ranges, but it was not until 1851 that the first discovery of

any importance took place. In the latter part of that year the Clunes, Anderson's Creek, Ballarat, and Bendigo fields were successively discovered, and over 200,000 ounces of gold were produced. Next year the gold rush took place, and it is estimated that, in 1852, 40,000 men were camped at Ballarat, 25,000 at Castlemaine, and 40,000 at Bendigo. The production of gold in 1852 amounted to 2,286,535 ounces, and in the ten years 1852–1861 it totalled over 25,000,000 ounces. The largest quantity produced in any one year was 3,053,744 ounces in 1856. The annual value of the output for the ten years 1852–1861 averaged over $\pounds10,000,000$ sterling. The estimated value of the gold produced from 1851 to 1923 was $\pounds301,853,680$, as shown in the preceding statement.

Gold raised in Victoria. The quantities of gold raised in Victoria in different periods are shown in the next table :---

Period.		Quantity (Fine ozs.).	Period.	Quantity (Fine ozs.).	
1851-60		23,334,263*	1911-15		2,161,349
1861-70		16,276,566*	1916-20		905,561
1871-80		10,156,297*	1921		104,512
1881-90		7,103,448*	1922	· ·	106,872
1891-1900		7,476,038*	1923		95,403
1901-10		7,095,061	[]		

GOLD RAISED IN VICTORIA, 1851 to 1923.

* Gross ozs.

The yield has been on the down grade since 1906, the return for the State for 1923 having been the lowest since 1851. The quantities raised in the other principal gold-producing States in 1923 were 504,511 ounces in Western Australia, 88,726 ounces in Queensland, and 18,833 ounces in New South Wales. The total production of gold in the world in 1922, as shown in the United States Mint Report, was 15,440,243 ounces.

Mining district gold yields. The yield of gold for the last two years in each mining district of the State, as estimated by the mining registrars, is shown in the following table. The quantities represented by the aggregate figures, which are given in gross

ounces, exceed the total output of 1922 by 3 ounces, and that of 1923 by 84 ounces:—

DISTRICT YIELDS OF GOLD, ALLUVIAL AND QUARTZ, 1922 and 1923.

Mining District.		1922.		1923.		
	Alluvial.	Quartz.	Total.	Alluvial.	Quartz.	Total.
Ararat and Stawell Ballarat Beechworth Bendigo Castlemaine Gippsland Maryborough	$\begin{array}{r} 025, \\ 4,370 \\ 1,378 \\ 11,438 \\ 914 \\ 3,105 \\ 2,231 \\ 510 \end{array}$	ozs. 460 1,434 22,628 52,537 15,582 463 897	ozs. 4,830 2,812 34,066 53,451 18,687 2,694 1,407	ozs. 4,647 1,007 7,871 361 1,763 1,198 387	ozs. 516 785 25,067 44,896 15,751 469 477	ozs. 5,163 1,792 32,938 45,257 17,514 1,667 864
Maryborough Total	23,946	94,001	1,407	17,234	87,961	105,195

Gold-mining dividends. The amount of the dividends declared in each of the last five years by gold-mining companies operating in each mining district of the State was as follows :----

DIVIDENDS PAID BY GOLD MINING COMPANIES IN EACH MINING DISTRICT, 1919 to 1923.

Mining District.			Amount Distributed.						
	Mining protition		1919.	1920.	1921.	1922.	1923.		
			£	£	£	£	£		
Ararat and Stawell	••						•••		
Ballarat					13		1,635		
Beechworth	••		19,220	36,690	13,455	18,450	9,000		
Bendigo	• • •			44,226	6,750	20,250	37,872		
Castlemaine	••		5,800	11.595	5,830	17,883	12,459		
Gippeland	••	••	160	2,668	1,096	••			
Maryborough	••	••	••	••	••	••	••		
Total	••	••	25,180	95,179	27,144	56,583	60,966		

Goid miners. estimated annually by the Mines Department. The figures for the last five years are given below :---

NUMBER OF MEN EMPLOYED IN GOLD MINING, 1919 TO 1923.

	Yea	ır.		Alluvial Miners.	Quartz Miners.	Total.
1919	•••			1,155	1,910	3,065
1920				1,138	2,604	3,742
1921	••	••	••	1,073	1,977	3,050
1922			••	1,048	2,262	3,310
1923				770	2,212	2,982

The number of men employed in each mining district in 1923 was as follows :—Ararat and Stawell, 154; Ballarat, 63; Bendigo, 1,479; Beechworth, 716; Castlemaine, 344; Gippsland, 100; and Maryborough, 126.

Value of machinery on and quartz mining during each of the last five years was as shown hereunder :---

VALUE OF MACHINERY ON GOLD-FIELDS, 1919 to 1923.

	Yea	чг.		Approximate V	Approximate Value of Machinery Employed in-						
				Alluvial Mining.	Quartz Mining.	Total.					
				£	£	£					
1919		••	• •	198,490	425,110	623,600					
1920	• • .	••	••	181,400	703,416	884,816					
1921	• •	••		156,642	508,643	665,285					
1922	••	••	••	135.295	508,630	643,925					
1923	••			133.200	486,300	619,500					

A feature of alluvial mining in Victoria for the last bredging and similar. twenty-two years has been the treatment in bulk of low-grade auriferous alluvial deposits and their overburden by bucket

dredges and pump hydraulic sluicing plants on barges. In 1923 the

number of bucket dredges at work was 3, and the number of pump hydraulic sluices 1, in addition to which 16 jet elevators and 4 gravitation plants were operating. Particulars relating to these dredging and sluicing plants for the last five years are as follows :---

	Year.		Number of Plants.	Area Worked.	Quantity of Material Treated.	Gold Obtained.	Tin Obtained.
				acres.	cub. yds.	OZS.	tons.
1919	••	••	56	161	5,517,159	24,540	107
1920	••		43	130	4,179,778	19,855	78
1921	••		42	99	3,554,674	15.734	78
1922	••		32	41	1,736,735	11,939	115
1923	••	••	24	27	1,294,300	9,017	77

DREDGING AND SLUICING, 1919 to 1923.

These plants employed 44 men in 1923. The yield of gold in that year per cubic yard of material was 3.3 grains. Since the inception of dredge mining 1,875,097 ounces of gold and 1,541 tons of tin have been won by this system.

Cyanidation. The quantity of tailings treated at old lode and alluvial mines by the cyanide process and the yield of gold therefrom are shown in the subjoined table for the last five years :---

СУАМІДАТІОМ, 1919 то 1923.

	Year.			Number of Plants.	Quantity of Tailings Treated.	Yield of Gold.	Value of Yield.
					tons.	ozs.	£
1919	••	••		33	44,581	4,361	16,484
1920	••	· • •		28	37,596	4,226	16,216
1921	••	••		20	39,937	5,326	17,212
1922	••	•••		12	41,163	5,847	22,654
1923	••		(14	18,644	3,415	13,445

Records show that the total amount of tailings which have been treated by the cyanide and other processes is 15,982,431 tons, and that the gold which has been won thereby amounts to 1,278,706 ounces, which is equal to an average yield of 1 dwt. 14 grs. per ton.

A Sludge Abatement Board, appointed by the Government, is intrusted with the duty of regulating the disposal of mining sludge, and preventing the silting of streams and injury to lands by battery sand and infertile debris.

Government batteries. Batteries for testing small quantities of ore for prospectors have been erected by the Government in various mining districts. The number of these plants and their operations in the last five years were as follows :---

	Year.			Number of Batteries.	Quantity of Ore Treated.	Yield of Gold.
					tons.	ozs.
••	••	••		34	2,941	3,778
	••	••		33	2,664	2,849
				34	1,748	1,367
	• • •			34	1.286	1,424
••	••			34	1,000	649
	 	··· ··	··· ·· ··	·· ·· ·· ··	Year. of Batteries. 34 33 34 34	Year. of Batteries. of Of Or Treated. 4 2,941 33 2,664 34 1,748 34 1,286

GOVERNMENT BATTERIES, 1919 to 1923.

Since 1897, the year in which the first battery was erected, 73,190 tons of ore have been crushed for 50,799 ounces of gold.

Bituminous coal is found in three main areas in the Coal mining. Southern portion of the State, viz., the Wannon, the Otway, and South Gippsland. The Wannon area is comparatively unprospected, owing to almost the whole of the land having been sold. In the Otway area bores have been sunk without disclosing seams of payable thickness. The South Gippsland area occupies about 2,000 square miles, and coal mining is being carried on at Wonthaggi, Kilcunda, Outtrim, Jumbunna, and Korumburra.

Brown coal. Brown coal. Brown coal. The brown coal beds of Victoria have an approximate area of 1,200 square miles, and are reputed to be the thickest known. At Morwell, 780 feet of coal were passed through in a bore 1,010 feet deep. It is estimated that the average thickness of the coal in the deposits at Morwell, Alberton, and Altona is 50 feet, and that the total deposits in the State amount to 11,000,000,000 tons. These deposits are practically untouched, as the total output of brown coal for all years has been only 750,831 tons (valued at £256,172), of which 116,888 tons were obtained in 1923. Of the total output for that year 115,045 tons valued at £37,424 were obtained from the State Brown Coal Mine at Morwell.

The State coal-field. The area reserved for mining is about 17 square miles. The state coal mine at Wonthaggi, on the Powlett River, was opened in November, 1909. In June, 1911, the control of the mine was transferred to the Railways Commissioners. Boring has

proved that about 28,000,000 tons of coal existed in the central area of 5 square miles. The output of coal for the year ended 31st December, 1923, was 418,394 tons, valued at £460,234. The total output up to the end of 1923 was 5,999,403 tons, valued at £4,208,726. The average number of men employed at the mine throughout the year ended 30th June, 1923, was 1,556.

> The quantity of coal, exclusive of brown coal, raised in Victoria up to the end of 1923 was 10,206,735 tons, valued at £6,804,598. The total quantity raised prior to 1892, the average annual production for different periods from

1892 to 1920, and the production for each of the years 1921, 1922, and 1923, together with the value per ton at the pit's mouth, are given in the following table :---

Victorian

and value

coal production

	Period.	Average Annual Production.	Average Annual Value per ton at pit's mouth.		
-				tons.	s. d.
Prior to 1892		••	••	*77,914	18 8
1892-1900	•••	••		184,517	9 11
1901–10	••	••	·	168,548	11 8
1911-15	•.•		••	608,512	92
1916-20	••		۰.	437,833	15 11
1921	1.	••	••	514,859	23 5
1922	••	••	••	559,284	23 9
1923	••	•	• ••	476,823	22 0

COAL PRODUCTION AND VALUE PER TON.

* Total production up to date mentioned.

The quantities of coal produced in the other States in 1923 were as follows :---New South Wales, 10,478,513 tons; Queensland, 1,136,883 tons; Western Australia, 420,714 tons; and Tasmania, 80,718 tons.

Mining accidents. The numbers of fatal and non-fatal accidents in gold and coal mines during the last five years are shown below. Only those non-fatal accidents have been recorded which rendered the injured unfit for work for a period of at least fourteen days.

			(fold Mines	•	Coal Mines.				
Year.		، 	Miners Employed.	Persons Killed.	Persons Injured.	Miners Employed.	Persons Killed.	Persons Injured.		
1919	••		3,065	4	9.	2,192	5	13		
1920	••		3,724	3	13	2,011	1	5		
1921	••	••	3,050	5	2	1,994	5	11		
1922	••	•••	3,310	••	4	1,953		11		
1923	••		2,982	1	6	2,131	1	11		

MINING ACCIDENTS, 1919 TO 1923

As a result of gold mining accidents during the last five years 13 persons were killed and 34 were injured and rendered unfit for work for a period of at least fourteen days. These numbers were equivalent to annual rates of 0.81 and 2.11 respectively per 1,000 employed. Coal mining accidents during the same period accounted for 12 deaths and 51 injuries resulting in disablement for at least fourteen days, these being equal to yearly rates of 1.17 and 4.96 respectively per 1,000 employees.

Boring for The record of boring operations conducted by the gold and coal. Mines Department during the last five years is as follows :---

			Drills w by	orked	Bores	Total		
	Year.		Steam.	Other Power.	Gold.	Coal.	Total.	Depth Bored.
						· · · · · · · · · · · · · · · · · · ·		feet.
1919	• •	••	$\frac{2}{2}$	10	6	216	222	38,340
1920	••	••	2	13	5	358	363	37,957
1921	• • •		1	14	20	400	420	40,000
1922	••		1	14	6	182	188	25,200
1923			••	12	4	67	71	19,270

GOVERNMENT BORING OPERATIONS, 1919 to 1923.

Up to the end of 1923 the quantity of antimony ore produced in Victoria was 104,754 tons valued at £592,133. Antimony. Nearly the whole of it was obtained at Costerfield. The production for 1923 yielded 822 tons of concentrates valued at £14.112. For the previous year the yield was 1.283 tons of concentrates valued at £22,966. The production of tin ore in the State up to the end of

1923 was 16,788 tons, valued at £925,965. In the year 1923 the quantity produced was 78 tons, as against 115 tons in the preceding year, and 80 tons in 1921. Of the tin won during the last five years nearly the whole was obtained in the Beechworth

district.

The quantity of gypsum produced in the State in 1923 was 12,761 tons, nearly all of which was obtained at

Waitchie, Lake Boga, and Bolton. The output for the previous year was 6,945 tons, which was obtained almost entirely at Lake Boga, Bolton, and Cowangie. Up to the end of 1923 the quantity raised in Victoria was 63,470 tons, valued at £45,933.

The quantity of kaolin produced in 1923 was 2,307 tons. Kaolin. and in the previous year, 2,340 tons. Up to the end of 1923 the total output was 24,865 tons, valued at £31,617.

The total value of molybdenite produced in the State up to the end of 1923 was £13,166. In the year 1923 the Molybdenite. output was valued at £6,250, as against £2,550 in 1922. The whole of the output was obtained at Everton, near Beechworth.

The quantity and value of stone raised from Victorian Quarries. quarries during the last five years were as set forth in the following table :---

		Qua	Approximate			
Year ended June—	Number of Quarries.	Bluestone.	Free- stone.	Granite.	Limestone.	Value of Stone Raised.
		c. yds.	c. yds.	c. yds.	c. yds.	e
1920	91	785,847	2,824	1,490	56.446	219.413
1921	105	1,068,131	417	1,485	56,031	340,450
1922	112	1,212,637	4,437	1,515	58,073	369,030
1923	106	1,244,262	10,776	1,775	73,448	384,510
1924	105	1,429,719	2,536	2,242	74,474	436,175

QUARRIES, 1919-20 to 1923-24.

In 1923-24 the number of persons employed in quarries was 1,781, and the wages paid amounted to £366,184. These figures include the employees and wages connected with stone-breaking and tar-paving works, most of which are carried on in conjunction with quarries and cannot be separated therefrom.

Tin.

Gypsum.

MANUFACTURING INDUSTRIES.

The earliest year for which there are statistical records

Industrial progress.

of the factories of the State is 1850, at which date the number of manufacturing establishments is shown to have been 68. Subsequently fair and regular progress was made in the industry until in 1900, the year before Federation, there were 3,097 factories working. The years immediately following Federation were marked by increased industrial activity, which was well maintained in later years. During the last ten years nearly all existing lines of manufacture have shown a notable expansion, and many industries new to the State have been firmly established. Since 1914 the number of factories has increased by 29 per cent., the number of persons employed by 32 per cent., the amount of salaries and wages paid by 147 per cent., the value of output by 130 per cent., the value of machinery and plant and premises by 142 per cent., and the engine power of factories by 186 per cent. The difference between the cost of materials used and the value of the output was equivalent to an added value of £331 1s. 10d. per person employed in 1923-24, as compared with £172 15s. 0d. in 1914. This favorable economic result coincides with a larger proportion of establishments using mechanical power in 1923-24, when 83 per cent. were so equipped, as against 73 per cent. in 1914, and with the increased aggregate engine power of factories previously referred to. The increase in the added value relatively to employees, the larger proportion of factories using power, and the higher aggregate power of establishments as a whole are indications of increasing industrial efficiency. The proportion of children employed in factories to total employees increased from 4.18 per cent. in 1914 to 5.03 per cent. in 1923-24.

Since 1914 the number of factories employing over 100 hands has increased by 22 per cent., and the number of hands employed by such factories has increased by 31 per cent. While factories of this size formed only 3.3 per cent. of the total number in the State in 1923-24, they employed 41.3 per cent. of the the total number of hands. The figures relating to distinct industries show that steady progress has been maintained in almost every class of factory during recent This is most noticeable in industries associated with the vears. manufacture of clothing and textile fabrics (including boots) and with the preparation of food, &c.

The appended table summarizes the position of the industries at various stages since 1871, but, except for the period 1904 to 1923-24, the information for different years is not strictly comparable, for the reason that it has not been compiled upon the same basis throughout.

Year.		Number of Factories.	Number of Persons employed.	Amount of Salaries and Wages paid.	Value of Plant, Machinery, Land ,and Buildings.	Value of Output.
				£	£	£
1871		1,740	19,468	*	4,725,125	*
1881		2,488	43,209	*	8,044,296	+13,370,836
1891		3,141	52,225	*	16,472,859	±22,390,251
1901		3,249	66,529	*	12,298,500	\$19,478,780
1904		4,208	76,287	4,794,365	13,668,185	23,126,180
1912	••	5,263	116,108	10,102,244	19,457,795	45,410,773
1913		5,613	118,744	10,714,336	20,775,738	47,936,647
1914	•••	5,650	118,399	11,099,940	21,975,646	49,439,985
1915	••	5,413	113,834	11,036,345	22,529,072	51,466,093
1916-17		5,445	116,970	11,833,517	23,784,289	60,047,284
1917-18	·	5,627	118,241	12,502,601	25,460,282	67,066,715
1918-19		5,720	122,349	14,080,403	27,318,735	80,195,677
1919-20		6,038	136,522	17,702,173	30,804,520	101,475,363
1920-21		6,532	140,743	21,377,216	35,492,735	106,008,294
1921-22		6,753	144,876	23,846,495	40,992,280	106,243,181
1922 - 23		7,096	152,625	25,547,192	46,423,240	111,286,343
1923 - 24	• •	7,289	156, 162	27,472,084	53,196,475	113,921,927
•				<u> </u>	<u> </u>	<u> </u>

GROWTH IN THE MANUFACTURING INDUSTRIES.

* Particulars not available. † 1880. ‡ 1890. § 1900. NOTE.—Up to the year 1915 inclusive the statistics relate to the calendar year;

for subsequent years they relate to the year ending 30th June.

The first Factories Act in Victoria was passed in 1873, Factories and Wages Board Legislation. Subject have been placed upon the statute-book. The Factories and Shops Act 1915 (No. 2650) consolidated all Acts passed prior to that date. The general provisions of factory legislation, including "Wages Boards," are fully dealt with in Part "Social Condition " of this work.

Production of different industries, 1923-24. In the year 1902 the classification of industries for statistical purposes, as shown in the next table, was adopted by the Statisticians of Australia. A factory was defined

as an establishment employing on the average four persons or more, or an establishment employing less than four persons where machinery is worked by other than manual power, whether the business carried on is that of making or repairing for the trade (wholesale or retail), or for export. The table shows for the year 1923-24 the number of factories in each industry, the power used, the number of persons employed, the wages paid, the values of materials and fuel and light used, and the value of articles produced or work done :--

	ries.	of	A	verage Num En	nber of P nployed.	ersons		V٤	lue of	
	Manufactories.	OWEL O	M	ales.	Fe	emales.				
Nature of Industry.	Number of Manu	in to log	Working Proprietors.	Employees.	Working Proprietors.	Employees.	Wages paid exclusive of Amounts drawn by Working Proprietors.	Fuel and Light used.	Materials used.	Articles Pro- duced or Work Done.
Class I.—Treating Raw Material the product of Pastoral Pursuits, or Vegetable Products, not otherwise classed. Boiling down Bone milling Fanning Fellmongering Chaftoutting and grain crushing Other	13 14 51 29 173 8	195 797 4,217 1,633 2,503 53	7 14 77 31 186 4	170 110 2,386 416 673 169	··· ·· ··	$\begin{array}{c} & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ \end{array}$	£ 39,385 23,809 550,153 95,862 78,973 39,637	£ 10,760 14,459 47,132 24,809 12,641 387	£ 164,730 51,940 1,795,692 1,616,588 871,167 91,856	£ 206,869 112,289 2,794,944 1,880,967 1,034,083 167,427
Total	288	9,398	319	3,924	•••	33	827,819	110,188	4,591,973	6,196,57
Class II.—Oils and Fats, Animal and Vegetable. Dil, grease, glue		215	7	154	••	18	41,187	9,558	229,827	352,471
oap and candle	17 	667 882	11 18	587 741	••• 	143 161	147,124 188,311	31,635 41,193	568,001 797,828	937,148 1,289,619

FACTORIES-POWER, WORKERS, WAGES, ETC., AND PRODUCTION, 1923-24.

Victorian Year-Book, 1923-24.

Class III.—Processes relating Stone, Clay, Glass, &c.	to							1			
Brick, pottery, &c.		104	8.172	72	3.303	1	164	735,719	282,681	94,787	1,568,362
Cement, including cement pipes		24	3,451	13	783		7	196,611	105,691	188,322	769,692
Glass, including bottles		4	431	11	776		i ii	206,429	70,453	72,512	496,007
Glass bevelling		26	101	21	253		7	56,773	1,242	95,934	197,091
Marble and stone dressing		43	474	60	381		6	93,232	3,143	76,174	226,820
Modelling		34	390	42	454		11	104,969	4,252	152:280	349.843
Other		17	313	12	271	•••	1	59,615	26,757	18,668	131,541
Total		252	13,332	231	6,221	2	207	1,453,348	494,219	698,677	3,739,356
	_										
Class IV.—Working in Wood.											
Cooperage	•••	9	297	8	191		••	55,292	1,419	31,169	110,361
Saw-milling (forest)	••	241	5,004	315	3,261		11	686,419	1,011	24,331	1,374,581
Saw-milling, moulding, &c.	•••	402	12,069	441	5,787	2	84	1,272,151	39,064	2,419,376	4,388,991
Mantelpiece	••	9	73	8	210	••	6	45,166	503	40,271	102,289
Wood carving, turning	••	21	469	23	2 69	••	8	65,826	2,405	59,351	167,833
Other	•• [9	155	11	153	••	37	39,354	1,304	68,937	132,449
Total	••	691	18,067	806	9,871	2	146	2,164,208	45,706	2,643,435	6,276,504
Class V.—Metal Works, Machinery	. & c.										
Agricultural implement		61	1,952	65	3.049	2	95	688,229	44,171	713,637	1.690.645
Engineering, iron foundry, &c.	••	516	12,917	5 92	10,132	5	173	2,288,499	183,953	2,501,025	6,087,049
Railway workshop		18	3,388		5,883		7	1,300,137	33,377	1,596,236	3,222,714
Nail	••	. 9	375	6	162		4	33,588	2,379	148,572	212,243
Sheet-iron, tin, &c.	•••	108	843	89	1,880	1	263	381,224	14,430	737,387	1,364,693
Brass, copper smithing	••	97	834	118	1,184	1	58	257,790	14,602	259,476	656,370
Wireworking	••	24	437	32	314	•• •	19	67,079	2,976	225,406	374,189
Metallurgical, &c., cyanide	••	8	93	11	61	•••		13,630	3,029	102,184	135,661
Oven, range	••	19	134	22	177	••	1	40,288	1,734	53,592	121,564
Other	••	48	706	48	508	1	15	108,346	10,665	194,111	404,437
Total	· • [908	21,679	983	23,350	10	635	5,178,810	311,316	6,531,626	14,269,565

		ories.	ju .	Av	erage Num Empl		rsons		Valu	e of—	
Notation of To Postan			nufact power (males.	Wages paid			
Nature of Industry.		Number of Ma	Actual Horse-power Engines used.	Working Proprietors.	Employees.	Working Proprietors.	Employees.	wages paid exclusive of Amounts drawn by Working Proprietors.	Fuel and Light used.	Materials used.	Articles Pro- duced or Work Done.
Class VI.—Connected with Drink, &c. Bacon curing		24	1,647	32	483		19	£ 1 18,751	£ 17.549	£ 1,313,895	£ 1,602,615
Butter, cheese, butterine . Ieat freezing, preserving . Biscuit Vourmilling	· · ·	190 13 9 47	5,320 5,906 540 5,647	$34 \\ 8 \\ 6 \\ 32$	2,089 848 861 1,063	 	214 37 608 19	529,686 161,643 213,307 266,540	$128,206 \\21,972 \\24,062 \\58,015$	$\begin{array}{c} 1,910,900\\ 6,984,383\\ 841,788\\ 658,638\\ 4,483,925\end{array}$	8,184,522 1,143,920 1,135,114 5,495,110
am, sauce, &c Datmeal, starch, &c. ugar, confectionery, &c .erated water, cordial, &c.		47 37 115 121	1,036 2,049 8,601 670	$30 \\ 26 \\ 98 \\ 132$	$1,491 \\ 383 \\ 2,222 \\ 782$	4 19 10	1,048 323 1,995 83	397,750 120,674 736,548 179,255	25,992 19,746 1 25,997 6,406	$\begin{array}{c} 1,105,650\\752,733\\4,520,659\\300,777\end{array}$	$1,930,258 \\1,121,412 \\6,221,331 \\698,770$
falt Brewing Distilling cocca, 8		21 14 10 15	$\begin{array}{r} 461 \\ 5,058 \\ 316 \\ 755 \end{array}$	14 6 4 8	$257 \\ 1,179 \\ 122 \\ 224$	 	$\begin{array}{c} 6\\ 1\\ 3\\ 122 \end{array}$	69,894 323,806 26,632 67,916	$18,778 \\61,211 \\10,560 \\7,678$	368,785 961,038 80,292 445,218	$\begin{array}{r} 601,433\\ 2,412,387\\ 173,557\\ 620,243\end{array}$
obacco, &c	• ••	14 43 720	690 3,768 42,464	16 34 	1,173 362 13,539	 1 3 	630 34 5,142	332,930 87,093 3,633,025	7,185 32,483	1,302,018 87,943	2,126,625 293,214 33,760,511

FACTORIES-POWER, WORKERS, WAGES, ETC., AND PRODUCTION, 1923-24-continued.

Victorian Year-Book, 1923-24.

	•							4 C				
:	Class V11.—Clothing and Textile Fabrics, and Fibrous Material.											
Ì	Woollen mill Clothing, tailoring, &c Dressmaking and millinery Underclothing, shirt Hat, cap Hosiery Oilskin, waterproof clothing Boot, shoe Fur Rope, twine, &c Sail, tent, &c	$\begin{array}{c} 27\\ 525\\ 509\\ 188\\ 53\\ 158\\ 5\\ 400\\ 40\\ 9\\ 16\\ 07\end{array}$	$10,412 \\ 561 \\ 499 \\ 985 \\ 783 \\ 1,054 \\ 32 \\ 3,157 \\ 98 \\ 1,586 \\ 37 \\ 167 $	$ \begin{array}{c c} 22 \\ 501 \\ 147 \\ 92 \\ 48 \\ 92 \\ 4 \\ 471 \\ 38 \\ 11 \\ 18 \\ 95 \\ 75 \\ 75 \\ 75 \\ 75 \\ 75 \\ 75 \\ 75 \\ 7$	$\begin{array}{c} \textbf{2,196} \\ \textbf{1,770} \\ \textbf{263} \\ \textbf{328} \\ \textbf{645} \\ \textbf{472} \\ \textbf{48} \\ \textbf{6,629} \\ \textbf{154} \\ \textbf{558} \\ \textbf{109} \\ \textbf{299} \end{array}$	42 336 97 4 83 18 14 10	$\begin{array}{c} 2,696\\ 7,533\\ 7,975\\ 5,572\\ 965\\ 3,377\\ 130\\ 5,316\\ 317\\ 375\\ 111\\ 121\end{array}$	$\begin{array}{c} 713,411\\ 1,206^{\circ}472\\ 849,306\\ 666,462\\ 269,946\\ 429,215\\ 29,395\\ 1,941,075\\ 61,971\\ 140,081\\ 35,555\\ 9424$ 9424\\ 9424 9424\\ 9424 9424\\ 9424 9424\\ 9424 9424 9424 9424 9426	$\begin{array}{c} 92,187\\ 22,361\\ 12,458\\ 13,282\\ 14,830\\ 14,533\\ 1,085\\ 38,607\\ 1,656\\ 12,538\\ 504\\ 2,034\end{array}$	$\begin{array}{c} 2,086,136\\ 2,059,904\\ 1,739,847\\ 1,527,555\\ 437,302\\ 1,012,448\\ 81,880\\ 2,879,194\\ 277,060\\ 329,160\\ 165,706\\ 100,100\\ 100$	$\begin{array}{c} 3,561,480\\ 3,908,514\\ 3,135,160\\ 2,601,053\\ 880,143\\ 1,892,662\\ 144,581\\ 5,888,699\\ 404,573\\ 588,358\\ 243,193\\ 243,193\\ 201001001\\ \end{array}$	
	Other Total	37 1,967	168 19,372	$\frac{35}{1,479}$	$\frac{202}{13,374}$	10 605	423 34,790	86,424 6,429,313	6,924 	211,814 12,808,006	369,031 23,617,447	
	Class VIII.—Books, Paper, Printing, Engraving, &c.											
	Printing Account-book, stationery, &c Fancy box Die sinking, engraving, &c Other	$\begin{array}{r} 416 \\ 35 \\ 35 \\ 19 \\ 32 \end{array}$	5,847 634 455 104 2,840	$ \begin{array}{r} 482 \\ 41 \\ 24 \\ 20 \\ 35 \end{array} $	6,310 660 304 200 698	$\begin{array}{c} 12\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ 2\end{array}$	$1,669 \\ 667 \\ 812 \\ 6 \\ 150$	$1,895,981 \\205,362 \\146,424 \\35,722 \\171,110$	$\begin{array}{r} 48,067\\ 5,329\\ 3,944\\ 1,216\\ 49,032 \end{array}$	1,748,088 261,618 308,518 31,005 249,774	$\begin{array}{c} 5,342,617\\ 605,229\\ 582,073\\ 101,071\\ 626,465\end{array}$	
	Total	537	9,880	602	8,172	20	3,304	2,454,599	107,588	2,599,003	7,257,455	
	Class IX.—Musical Instruments	20	366	13	468	••	17	105,628	2,196	128,486	277,009	
	Class X.—Arms and Explosives	10	543	3	264		156	87,155	8,010	180,450	338,247	

	, ries.	-	Av	erage Numl Empl	ber of Pe oyed.	rsons		Value	of	
	/ Manufactories.	ower of	M	ales.	Fei	males.	Wages paid			
Nature of Industry.	Number of Manufact Actual Horse-power Bingines used.	Working Proprietors.	Employees.	Working Proprietors.	Employees.	exclusive of Amounts drawn by Working Proprietors.	Fuel and Light used.	Materials used.	Articles Pro- duced or Work Done.	
										•
addle, harness	000	1,298 1,774 33 80	$346 \\ 501 \\ 51 \\ 23$	2,341 3,106 301 185	 3 	$\begin{array}{c} 24 \\ 70 \\ 64 \\ 13 \end{array}$	$\begin{array}{c} \pounds \\ 472,742 \\ 655,383 \\ 63,476 \\ 32,779 \end{array}$	£ 15,187 21,879 642 891	£ 526,257 567,307 96,461 47,088	
Total	. 830	3,185	921	5,933	3	171	1,224,380	38,599	1,237,113	3,107,636
lass XII.—Shipbuilding, Fitting, &	c. 12	1,409	9	381		2	89,340	5,319	34,031	143,065
1.1.1.1.4. (m. 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	. 71 . 307 . 20	619 2,545 63 111	$48 \\ 405 \\ 21 \\ 5$	578 2,854 77 165	3 5 	$325 \\ 109 \\ 14 \\ 20$	$155,163 \\ 569,368 \\ 17,520 \\ 35,792$	5,099 14,956 478 2,140	421,068 681,107 23,956 71,205	695,384 1,596,75 53,810 131,940
Total	. 406	3,338	479	3,674	· 8	468	777,843	22,673	1,197,336	2,477,89

FACTORIES-POWER, WORKERS, WAGES, ETC., AND PRODUCTION, 1923-24-continued.

542

Victorian Year-Book, 1923-24.

Class XIV.—Drugs, Chemicals, and By-products.										n Anna Iomraichean Iomraichean
Blacking, blue, &c Chemicals, drugs, &c Fertilizers Other	24 50 8 39	199 1,537 1,918 312	$\begin{array}{c} 17\\35\\4\\30\end{array}$	159 640 864 213	1 1	$176 \\ 534 \\ 7 \\ 18$	51,599 220,956 209,801 38,742	2,563 22,106 39,567 2,740	$258,694 \\ 464,515 \\ 761,865 \\ 100,737$	391,976 912,427 1,209,368 178,556
Total	121	3,966	86	1,876	2	735	521,098	66,976	1,585,811	2,692,327
Class XV.—Surgical and Scientific Appliances	36	63	32	153	••	10	29,438	1,109	28,891	80,139
Class XVITimepieces, Jewellery, and Plated-ware	111	518	119	885	1	105	187,029	7,289	232,853	545,827
Class XVIIHeat, Light, and Energy.					-	 	•	• •		
Electric apparatus Electric light Gas, coke Other	77 90 45 7	515 154,622 2,014 1,613	77 5 3 1	$768 \\ 1,672 \\ 2,448 \\ 263$	1 	33 75 110 423	$144,259\\462,172\\699,173\\97,691$	5,407 624,321 6,732 10,910	206,754 2,326 838,749 228,650	$\begin{array}{r} 462,063\\ 2,176,551\\ 2,098,571\\ 510,428\end{array}$
Total	219	158,764	86	5,151	1	641	1,403,295	647,370	1,276,479	5,247,611
Class XVIII.—Leatherware (except Saddlery and Harness)	62	469	68	609	2	392	158,593	5,107	369,345	645,642

			ries.	4	Av	erage Numi Empl		rsons		Value	of—	
			Manufactories	power of	M	lales.	Fet	males.				
Nature of Indu			Number of Mar	Actual Horse-p Engines used.	Working Proprietors.	Employees.	Working Proprietors.	Employees.	Wages paid exclusive of Amounts drawn by Working Proprietors.	Fuel and Light used.	Materials used.	Articles Pro duced or Work Done.
llass XIXWares, n included. Jmbrella Rubber goods Brush, broom Basket, wickerware	ot ei 	lsewhere 	7 20 18 26	$13 \\ 6,655 \\ 178 \\ 20$	5 16 20 30	$53 \\ 1,646 \\ 276 \\ 212$	 1 	$137 \\ 539 \\ 98 \\ \cdots$	£ 24,389 446,831 59,475 28,157	£ 287 89,560 1,446 283	£ 78,734 852,799 110,504 26,752	$\begin{array}{c} \pounds \\ 126,42. \\ 1,560,883 \\ 201,499 \\ 70,69 \end{array}$
Total	••	•••	71	6,866	71	2,187	1	774	558,852	91,576	1,068,789	1,959,49
Grand Total			7,289	314,561	6,805	100,773	695	47,889	27,472,084	2,803,239	62,217,874	113,921,92

FACTORIES-POWER, WORKERS, WAGES, ETC., AND PRODUCTION, 1923-24-continued.

increase in value of output of certain industries, 1918-19 and 1923-24, Most of the more important manufacturing industries in the State have shown a substantial increase in the value of output in the last five years. The output for the years 1918–19 and 1923-24 of a number of leading industries is shown in the following table, the industries being arranged

in order of increase in value :---

OUTPUT OF INDUSTRIES, 1918-19 AND 1923-24.

· · · ·	Value of O	utput.	Increase in F	ive Years.
Industry.	1918-19.	1923-24.	Value.	Per cent
				1
	£	£	£	1
Engineering, iron foundries, &c.	3,359,580	6,087,049	2,727,469	81.2
Woollen mills	1,126,119	3,561,480	2,435,361	216.3
Printing	3,014,240	5,342,617	2,328,377	77.2
Sawmills, moulding, &c	2,187,100	4,388,991	2,201,891	100.7
Railway workshop	1,248,380	3,222,714	1,974,334	158.1
Butter, cheese, &c	6,056,342	7,974,676	1,918,334	31.7
Boot and shoe	4,040,550	5,888,699	1,848,149	45.7
Electric light and power	835,190	2,176,551	1,341,361	160.6
Dressmaking and millinery	1,891,802	3,135,160	1,243,358	65.7
Confectionery, &c	1,661,680	2,882,561	1,220,881	73.5
Hosiery	803,231	1,892,662	1,089,431	135.6
Bicycle, motor, &c	516.376	1.594.925	1,078,549	208.8
ugar	2,274,192	3,338,770	1,064,578	46.8
gricultural implements	702,870	1,690,645	987,775	140.5
Breweries	1,476,335	2,412,387	936,052	63.4
Brick, pottery, &c	632,841	1,568,362	935.521	147.7
Nothing, tailoring, &c.	2,980,583	3,908,514	927,931	31.1
Cabinet, including billiard table	706,815	1,596,751	889,936	125.9
Flour mills	4,656,403	5,495,110	838,707	18.0
Underclothing	1,832,183	2,601,053	768,870	42.0
Gasworks	1,373,603	2,098,571	724,968	52.8
Forest sawmills	657,880	1,374,581	716,701	108.9
Sheet iron, tinware, &c.	727,380	1,364,693	637,313	87.6
Cement and cement goods	190,539	769,692	579,153	304.0
Bacon curing	1,107,910	1,602,615	494,705	44.7
Coachbuilding	729,316	1,213,054	483,738	66.3
Fertilisers	790,130	1,209,368	419,238	53.1
Cobacco, &c.	1,735,678	2,126,625	390.947	22.5
Bedding, upholstery, &c.	310,786	695,384	384,598	12.4
Datmeal, starch, &c.	742,724	1,121,412	378,688	51.0
Chaffcutting and grain crushing	691,053	1,034,083	343,030	49.6
Electric apparatus	123,258	462,063	338,805	274 9
Brass, copper	322,270	656,370	334,100	103.7
	847,256	1,135,114	287,858	34.0
Fancy box, paper bag	327,844	582,073	254,229	77.5
Aerated waters, cordials, &c	464,343	698,770	234,427	50.5
Chemicals, drugs, &c.	691,271	912,427	221,156	32.0
Juomicaio, urugo, wo	001,411	512,721	<i>221</i> ,100	0.0

INDIVIDUAL INDUSTRIES.

The salient features in connexion with the chief industries are set forth in the succeeding pages.

Tanneries, &c. The development of the tanning and fellmongering industry during the past ten years is shown by the particulars contained in the next two tables :---

Year.	• •	Number of Establish- ments.	Horse- power of Engines.	Value of Machinery and Plant in Use.	Number of Employees.	Number of Working Proprietors	Amount of Wages Paid,
1914 1915 1917-18 1918-19 1919-20 1920-21 1922-23 1923-24	··· ·· ·· ·· ··	79 82 74 76 81 86 80 78 79 80	$\begin{array}{c} 2,434\\ 2,510\\ 3,187\\ 3,476\\ 4,035\\ 4,631\\ 4,707\\ 5,341\\ 5,530\\ 5,850\end{array}$	£ 190,460 193,350 214,896 271,120 370,765 400,110 436,395 504,355 518,815 557,930	1,875 2,165 2,362 2,485 2,984 3,299 2,764 2,902 2,947 2,821	82 97 82 69 74 85 87 93 105 108	£ 210,007 268,884 300,796 347,753 455,548 631,920 575,132 625,443 658,026 646,015

TANNERIES, ETC., 1914 to 1923-24.

The quantity of bark used in connexion with tanning operations in 1923-24 was 13,066 tons. The output of tanneries for each of the last ten years was as follows :—

OUTPUT OF TANNERIES, ETC., 1914 to 1923-24.

·			Number Tann	ed	Chara	Wool	Value of Articles	
Year.		Hides.	Calf Skins.	Sheep and other Skins.	Sheep Skins Stripped.	Washed (weight after washing).	produced or Work done.	
1914		554.242	210.894	936.975	number 1,639,161	lbs. 7,816,250	£ 2,132,935	
1915		765.088	166.197	1,150,449	1,463,775	12,224,184	3,201,455	
1916-17		722,649	230,380	1,027,847	1,538,178	13,843,439	3,962,202	
917-18		601,950	217,605	1,418,595	1,641,000	24,560,590	5,061,236	
1918-19		670,956	234,548	1,742,388	2,354,487	34,483,316	6,918,270	
919-20	• •	738,907	251,973	2,780,017	5,030,438	38,191,912	8,896,091	
920-21		694,322	308,542	1,406,472	2,604,413	14,619,943	4,200,077	
921-22	· · · (792,974	512,515 .	2,042,817	2,214,980	17,453,847	3,953,049	
922-23		780,221	663,813	2,403,940	2,407,830	19,939,785	4,577,664	
1923-24		788,942	526,818	2,387,235	971,559	12,885,685	4,675,911	

The value of the leather, &c., imported into Victoria from oversea countries during the year ended 30th June, 1924, was £172,804.

Seap and candle works.

Particulars in regard to the soap and candle works in the State for the past ten years are given below :---

	Number of	Value of Machinery	Number of	Amount	Prod	lucts.	Value of	
Year.	Establish- ments.	and Plant in Use.	Employees.	of Wages Paid.	Soap.*	Candles.	Output.	
		£		£	cwt.	ewt.	£	
1914	17	120,215	604	65,155	243,558	37,564	641,104	
1915	- 17	121.946	627	71,282	267,426	41,031	721,845	
1916-17	- 18	128,100	670	84,036	214,526	38,746	802,179	
1917-18	17	130,795	756	91,604	228,310	37,290	951,114	
1918-19	15	140,600	669	92,663	206,429	39,680	957,295	
1919-20	16	143,310	725	103,333	243,156	40,908	1,321,112	
1920-21	16	164,110	696	115,749	225,748	32,662	1,134,820	
1921-22	17	174,460	726	139,519	267,858	31,613	1,096,955	
1922 - 23	19	196,355	756	142,685	296,888	39,519	1,152,270	
1923 - 24	17	210,270	730	147,124	289,364	34,424	937,148	

SOAP AND CANDLE WORKS, 1914 to 1923-24.

• Not including soap made in small soap works not classified as factories, viz., 3,489 cwt. in 1914, 1,664 cwt. in 1915, 927 cwt. in 1916-17, 1,134 cwt. in 1917-18, 1,054 cwt. in 1918-19, 907 cwt. in 1919-20, 996 cwt. in 1920-21, 859 cwt. in 1921-22, 1,346 cwt. in 1922-23, and 1,258 cwt. in 1923-24.

The quantity of tallow used in 1923-24 in the manufacture of soap and candles was 176,443 cwt. in factories, and 392 cwt. in minor works. The imports from oversea countries in 1923-24 included 323,032 lbs.

of soap valued at £20,617, and 24,969 lbs. of candles valued at £1,454.

Particulars relating to brickvards and potteries for the Brickyards, potteries, &c. ten years 1914 to 1923-24 are shown in the following statement. The value of the land, plant, buildings, &c., used in connexion with such works in 1923-24 was £1,001,250 :-

BRICKS, POTTERY, PIPES, AND TILES, 1914 to 1923-24.

	Number of	Number	A	Number of	Value	of—
Year.	Establish- ments.	of Employees.	Amount of Wages Paid	Number of Bricks Made.*	Pipes and Tiles.	Pottery.
			£		£	£
1914	109	2,117	260,877	188,238,000	124,826	47,948
1915	89	1,839	230,969	142,601,000	134,623	52,732
1916-17	79	1,636	200,781	108,444,000	147,840	57,266
1917-18	78	1,842	231,090	107,139,000	171,836	73,398
1918-19	84	2,296	314,452	133,176,000	246,763	121,286
1919-20	93	2,504	336,295	119,142,000	255.562	97,844
1920-21	92	2,729	481.352	203,425,000	362,495	177,410
1921-22	93	2,583	495.288	169.715.000	355,784	185.293
1922-23	92	3,136	631,454	227,183,000	439,159	203,828
1923-24	104	3,467	735.719	247,598,000	541.796	241.821

• In addition, there are bricks made in small brickyards not tabulated as factories.

The estimated value of bricks made in 1923-24 was £784,745, being an increase of £68,185 on the value of those made in the preceding year.

Forest Saw-mills.

Detailed information in regard to the forest saw-mills of the State for the ten years 1914 to 1923-24 is given in the table which follows :---

		Number	Value of Machinery	Number of	Amount of	Victorian Tin	aber Sawn.
Year.		of Mills.	and Plant in Use.	Employees.	Wages Paid.	Quantity.	Value.
			£	,	£	super ft.	£
1914		167	273,086	2,127	232,305	84,374,000	316,400
1915	•••	138	233,343	1,564	169,027	62,589,000	234,710
1916-17		151	235,140	1,678	206,709	70,038,000	297,663
1917-18	••	162	260,280	1,935	248,940	78,984,000	355,430
1918-19		187	315,670	2,278	319,547	91,540,000	503,470
1919-20		203	366.355	2,627	405,335	99.142.000	693,995
1920-21		246	473.275	3.181	563,627	113.215.000	905,720
1921-22	• •	239	517.725	3.014	627.432	112.008.000	896,070
1922 - 23		227	516,800	2,910	616.680	118,366,000	946,930
1923-24	••	241	624.590	3,272	686.419	134,639,000	942,476

FOREST SAW-MILLS, 1914 TO 1923-24.

In addition to the forest saw-mills there were 450 other factories working in wood. Particulars relating to these for the year 1923-24 are given on page 539.

It is estimated that the approximate value of the pro-Firewood, duction of firewood for consumption in the year 1923-24 was

 $\pounds 1,033,700$. In addition, there were supplies of railway sleepers, piles, posts and rails, shingles, and timber for mines obtained from the forests, but it has been found impossible to procure reliable information as to their value.

During the past decade there has been а verv Engineering, expansion in engineering works \mathbf{marked} and iron iron foundry, foundries. Since 1914 the number of factories has &c. increased by 46 per cent., the number of persons employed therein by 20 per cent., the amount of wages paid by 120 per cent., the value of machinery and plant by 90 per cent., the value of materials used by 93 per cent., and the value of the output by 106 per cent. The chief particulars of the industry for the years 1914 to 1923-24 are given in the next table :---

ENGINEERING, IRON FOUNDRY, ETC., 1914 to 1923-24.

		Horse-					Value of-	-
Year.	Number of Factories.	power of Engines.			Amount of Wages Paid.	Materials Used.	Fuel and Light Used.	Output.
			£		£	£	£	£
1914	354	7,899	762,392	8,601	1.038.622	1,298,255	94,284	2,961,187
1915	364	7,999	784,447	8,552	1,056,075	1,349,270	106,483	3,029,713
1916 - 17	364	7,964	809,940	7,726	1,008,627	1,365,280	104,334	2,936,342
1917 - 18	388	8,045	844,350	7,351	1,011,930	1,414,060	110,900	3,096,090
1918-19	402	8,694	903,110	7,537	1,077,720	1,578,990	134,440	3,359,580
1919 - 20	441	10,795	1,023,395	9,042	1,395,379	1,917,877	128,435	4,220,094
1920 - 21	-510	11,567	1,207,630	10,265		2,882,847	206.806	6,206,289
1921 - 22		11,872	1,325,500	9,632		2,511,800	196,239	5,897,158
1922 - 23	531		1,389,075	9,707	2,055,596	2,482,822	179,372	5,809,039
1923 - 24	516	12,917	1,445,840	10,305	2,288,499	2,501,025	183,953	6,087,049

&c.

The above figures are exclusive of railway workshops, which in 1923-24 numbered 18, and gave employment to 5,890 hands who were paid $\pounds1,300,137$; the value of the materials dealt with by such workshops in that year was $\pounds1,596,236$, and the value of the output was $\pounds3,222,714$, of which 68 per cent. was from the Newport Workshops.

Agricultural implement works. The subjoined statement contains the leading particulars relating to agricultural implement works for the last ten years :---

AGRICULTURAL IMPLEMENT WORKS, 1914 to 1923-24.

					Value of-	
Year.	No. of Factories.	No. of Employees.	Wages Paid.	Fuel, &c., Used.	Materials Used.	Output.
			£	£	£	£
1914	65	1,895	242,158	16,866	278,283	638,827
1915	64	1,678	206,764	15,337	213,257	526,756
1916-17	63	1,832	250,450	18,666	359,342	743,196
1917-18	62	1,904	261,045	20,911	435,665	830,876
1918-19	60	1,628	249,360	18,100	337,730	702,870
1919-20	61	1,701	272,262	20,001	349,555	757,062
1920-21	60	2,641	512,363	42.193	756,204	1,750,704
1921-22	58	2,851	643,874	43,794	806,066	1,567,843
1922-23	61	2,589	555,394	36,935	626,561	1,511,724
1923-24	61	3,144	688,229	44,171	713,637	1,690,645

The wages averaged £127 15s. 9d. for each employee in 1914, and £218 18s. in 1923-24. The stripper-harvester, which is a Victorian invention, is one of the principal implements manufactured.

In the following table particulars of bacon and ham Bacon curing. curing establishments are given for the ten years 1914 to 1923-24. The value of the machinery, plant, land and buildings in connexion with these establishments was £153,029 in 1914 and £322,080 in 1923-24.

Year.		Number of Establish- ments.	Number of Employees.	Amount of Wages Paid.	Pigs Slaughtered for Curing.	Weight of Bacon and Hams Cured.	Value of Output.
				£	number	lbs.	£
1914	••	26	442	57,965	181,756	16,298,474	772,318
1915		25	362	49,672	129,259	11,451,031	767,778
191617		23	405	58,191	167,003	15,376,600	972,477
1917-18		21	433	65,870	197,880	17,908,100	1,084,440
1918-19	••	21	482	76,308	201,770	18,343,400	1,107,910
1919-20		21	529	99,736	182,320	16,675,090	1,384,351
1920-21	••	22	421	90,394	139,881	13,369,107	1,335,186
1921-22		22	445	103,783	163,917	15,583,960	1,366,832
1922 - 23		24	462	104,841	186,524	17,293,395	1,289,267
1923-24		24	502	118,751	217,847	20,458,243	1,602,615
						<u> </u>	

BACON CURING. 1914 то 1923-24.

This table does not include particulars relating to pigs slaughtered for curing, or to bacon and hams cured in small curing works; the pigs so slaughtered numbered 974 in 1914, 439 in 1915, 379 in 1916–17, 140 in 1917–18, 130 in 1918–19, 145 in 1919–20, 150 in 1920–21, 164 in 1921–22, 116 in 1922–23, and 95 in 1923–24; the quantity (in pounds) of bacon and hams cured in these works was 87,258 in 1914, 45,030 in 1915, 31,300 in 1916–17, 12,970 in 1917–18, 9,790 in 1918–19, 11,500 in 1919–20, 14,000 in 1920–21, 12,010 in 1921–22, 9,600 in 1922–23, and 9,025 in 1923–24.

In addition, the following quantities of bacon and hams were returned as having been cured on farms: -2,476,023 lbs. in 1914, 2,208,943 lbs. in 1915, 2,738,428 lbs. in 1916–17, 3,403,776 lbs. in 1917–18, 3,859,205 lbs. in 1918–19, 2,698,919 lbs. in 1919–20, 1,755,993 lbs. in 1920–21, 1,812,838 lbs. in 1921–22, 1,975,729 lbs. in 1922–23, and 2,082,731 lbs. in 1923–24. The total quantity of bacon and hams cured in 1923–24 was thus 22,540,974 lbs.—an increase of 3,262,250 lbs. as compared with 1922–23.

Butter and cheese factories. The number of butter, cheese, and kindred factories in 1923-24 was 184. Of these 148 were making butter, 32 cheese, 4 concentrated milk, 6 condensed milk, 12 powdered milk, 13 casein, and 1 milk sugar. There were also 26 creameries attached to the factories. The number of factories and the value of machinery, plant, land and buildings, the number of employees and the amount of their wages, and the total value of the output for the ten years 1914 to 1923-24 were as follows :---

	Year.	Number of Factories.	Value of Machinery, Plant, Land, and Build- ings.	Number of Employees.	Amount of Wages Paid.	Value of Output.
			£		£	2
1914		 197	643.677	1,290	161,740	3,228,640
1915		 190	644,960	1,145	139,543	2,715,784
1916-17	••	 182	647,128	1,398	185,024	4,815,833
1917-18		 181	683,140	1,642	226,050	5,086,238
1918-19		 180	786,275	1,885	273,335	6,056,342
1919-20	••	 181	1,025,325	2,026	338,507	6,365,927
1920-21		 184	1,238,745	2,093	414,420	9,194,654
1921-22		 188	1.395,425	2,293	492,446	7,115,642
1921-22 1922-23		 182	1,509,545	2,188	497,816	7,899,377
1922-23		 184	1.685,530	2,186	511,001	7,974,676

BUTTER AND CHEESE FACTORIES, 1914 to 1923-24.

Further particulars relating to butter and cheese factories will be found under the heading of Dairying on page 514.

Meat freezing and preserving works numbered thirteen Meat freezing in 1923-24, and gave employment to 885 hands and 8 works. working proprietors, the wages of the hands amounting to £161,643. The approximate value of machinery, plant,

land and buildings in that year was $\pounds 1,356,560$. The output for each of the last ten years is given in the following table :—

MEAT FREEZING AND PRESERVING, 1914 to 1923-24.

	Year.			Froz	zen.	
	i cai.		Cattle.	Sheep.	Rabbits.	Poultry.
t						
	·		qrs.	number.	number.	number.
1914			212,520	1,710,152	3,778,164	30,504
915			,oo	47.546	3,584,388	8,652
916-17			28,492	418,418	2,846,904	4,900
917-18			3,832	196.267	7.394.140	4,620
918-19			8,640	668,970	2,335,990	2,700
919-20			177,230	4.001.500	5,385,854	2,736
920-21			49,372	786,086	2,189,378	9,468
921-22			55,355	1,186,704	903,400	8,856
922-23			17.006	2,657,515	282,624	5,284
			16,044	691,630	160,998	· · · · · · · · · · · · · · · · · · ·
923-24	•••		10,044	091,050	100,990	
923–24	Vear		10,044	Prese		
923–24	Year.		Beef.			Other Meats
923–24	Year.	••	Beef.	Prese Mutton.	rved. Rabbits.	&c.
	Year.		Beef.	Prese Mutton.	rved. Rabbits.	
914	Year.	••	Beef.	Prese Mutton. cwt. 7,316	rved. Rabbits.	&c. cwt. 5,936
914 915	Year.	•••	Beef. cwt. 49,103 38,835	Prese Mutton. cwt. 7,316 2,092	rved. Rabbits. cwt. 2,368 422	cwt. 5,936 3,448
914 915 916–17	Year.		Beef. cwt. 49,103 38,835 15,591	Prese Mutton. 7,316 2,092 4,484	rved. Rabbits. 2,368 422 5,245	¢c. 5,936 3,448 2,693
914 915 916–17 917–18	Year.	••	Beef. 49,103 38,835 15,591 17,810	Prese Mutton. 7,316 2,092 4,484 28,530	rved. Rabbits. 2,368 422 5,245 9,530	¢c. 5,936 3,448 2,693 15,110
914 915 916-17 917-18 918-19	Year.	•••	Beef. 49,103 38,835 15,591 17,810 75,790	Prese Mutton. cwt. 7,316 2,092 4,484 28,530 118,520	rved. Rabbits. 2,368 422 5,245 9,530 9,625	&c. cwt. 5,936 3,448 2,693 15,110 9,850
914 915 916-17 917-18 918-19 919-20	Year.	···	Beef. 49,103 38,835 15,591 17,810 75,790 104,725	Prese Mutton.	rved. Rabbits. 2,368 422 5,245 9,530 9,625 7,580	
914 915 916-17 917-18 918-19 919-20 919-20 920-21	Year.	··· ·· ·· ··	Beef. cwt. 49,103 38,835 15,591 17,810 75,790 104,725 3,641	Prese Mutton.	rved. Rabbits. 2,368 422 5,245 9,530 9,625 7,580 1	¢c. 5,936 3,448 2,693 15,110 9,850 1,860 764
923-24 914 915 916-17 917-18 919-20 920-21 921-22 1922-23	••	···	Beef. 49,103 38,835 15,591 17,810 75,790 104,725	Prese Mutton.	rved. Rabbits. 2,368 422 5,245 9,530 9,625 7,580	

NOTE.—In addition to the above, there were treated at freezing works 11,708 calves, 1,713 pigs, and 57,576 hares in 1914; 3,072 hares in 1915; 1,120 calves, 156 pigs, and 6,872 hares in 1916–17; 166 calves, 971 pigs, and 9,180 hares in 1917–18; 1,360 calves, 615 pigs, and 16,220 hares in 1918–19; 130 calves, 1,000 pigs, and 65,530 hares in 1919–20; 2,569 calves and 5,465 pigs in 1920–21; 2,855 calves and 7,335 pigs in 1921–22; and 98 calves and 121 pigs in 1923–24.

Imports and exports of meats. The following statement shows the imports from and exports to oversea countries of frozen and preserved meats, other than bacon and ham, during the year ended 30th June, 1924 :--

MEATS IMPORTED AND EXPORTED OVERSEA, 1923-24.

	Impor	ts.	Exports.		
Meats.	Quantity.	Value.	Quantity.	Value.	
		£		£	
Frozen-		-		-	
Mutton	3,806 lbs.	170	552,901 lbs.	13,757	
Lamb			21,833,739 ,,	656,438	
Beef			1,811,145 ,,	22,944	
Pork	226,136 lbs.	8,685		• •	
Rabbits and Hares	••	·	80,499 prs.	8,477	
Poultry	280 lbs.	15	3,388 ,,	1,945	
Game	5,040 lbs.	695	2,076 lbs.	119	
Potted and Concentrated	••	28,658		872	
Preserved in tins	••	16,800	370,379 lbs.	9,409	
Sausage Casings	••	58,115	1,324 cwt.	20,591	
Not elsewhere included	••	175	••	1,241	
Total value	••	113,313		737,236	

Flour mills. The value of the machinery, plant, land and buildings used in connexion with flour mills was estimated at £503,885 in 1914, and at £737,985 in 1923-24. Particulars of the industry for the ten years 1914 to 1923-24 are as follows :---

Year.		Number of Mills.	Number of Employees.	Amount of Wages Paid.	Wheat Ground into Flour.	Flour Made.	Value of Total Output.
				£	bushels.	tons.	£
1914	••	.57	836	109,910	12,173,943	246, 136	2,726,878
1915		51	608	70,982	6,574,753	134,401	2,739,730
1916-17	••	54	857	126,280	12,483,990	263,095	3,458,633
1917-18	••	55	988	155,330	15,034,990	311,450	3,989,510
1918-19		53	1.029	169,233	16,621,290	347,840	4,656,403
1919-20		51	1,028	189,224	16,920,890	353,683	6,082,741
1920-21		51	911	191,688	12,387,960	260,032	5,745,507
1921-22		45	963	228,195	14,697,290	308,532	5,759,281
1922-23		47	1,058	244,436	16,601,530	352,002	5.415.067
1923-24		47	1.082	266,540	18,552,540	382,204	5,495,110

FLOUR MILLS, 1914 to 1923-24.

In addition to the flour made, the wheat ground in 1923-24 produced 8,711,743 bushels of bran and 7,491,647 bushels of pollard. Other grain operated on amounted to 38,992 bushels in 1914, 43,618 bushels in 1915, 44,150 bushels in 1916-17, 31,960 bushels in 1917-18, 40,113 bushels in 1918-19, 39,235 bushels in 1919-20, 40,094 bushels in 1920-21, 65,788 bushels in 1921-22, 44,363 bushels in 1922-23, and 34,283 bushels in 1923-24.

Exports of bread stuffs.

During the year 1923-24, 1,904,520 lbs. of biscuits valued at $\pounds 59,413$, and 211,685 tons of flour valued at $\pounds 2,175,854$, were exported from Victoria to countries beyond Australia.

Jam, pickle, and sauce works. In 1923-24 there were 47 establishments in which the manufacture of jams, pickles, and sauces was carried on, and the number of persons employed therein was 2,539, of

whom 34 were working proprietors. The wages paid to the employees amounted to £397,750, and the value of machinery, plant, land and buildings was £475,185. The quantities of fruit and sugar used and the output for each of the last ten years were as shown below :---

Year.	Fruit Used.	Sugar Used.	Jams and Jellies Made.	Fruit Preserved.	Fruit Pulped.	Sauce Made.	Pickles Made.
	cwt.	cwt.	cwt.	ewt.	ewt.	pints.	pints.
1914	341,189	175,538	271,755	81,425	75,299	5,648,280	1,840,920
1915	300,861	193,243	305,445	52,939	40,993	5,827,176	1,285,476
1916-17	372,424	257,481	347,152	60,419	132,182	6,433,032	1,803,408
1917-18	497,650	286,860	398,500	115,589	94,810	7,064,520	1,972,320
1918-19.	496,690	314,645	495,575	133,230	91,550	4,913,050	2,137,730
1919-20.	628.721	262,585	323.452	181,562	225,522	6.546.610	1.874.240
1920-21	465,349	171,706	231,297	61,542	178,786	6,601,330	1,239,250
1921-22	384,214	148,886	157,712	239,656	100,317	6,600,530	1,056,430
1922-23	450,199	177.334	206,966	221.157	114.615	8,439,440	2,106,950
1923-24.	552,262	191,216	197,850	239,077	208,688	10,696,190	2,361,250

JAM, PICKLE, AND SAUCE WORKS, 1914 to 1923-24.

Some of these establishments also candied fruit peel, the quantities being 6,892 cwt. in 1914, 4,628 cwt. in 1915, 3,360 cwt. in 1916–17, 9,330 cwt. in 1917–18, 8,449 cwt. in 1918–19, 10,466 cwt. in 1919–20, 13,306 cwt. in 1920–21, 10,743 cwt. in 1921-22, 6,831 cwt. in 1922–23, and 3,820 cwt. in 1923–24. The value of the output in 1923–24 of the whole of the establishments whose produce is shown in the above table was £1,930,258.

In 1896 Parliament made available £62,000 to assist in the establishment of the beet sugar industry at Maffra, in Gippsland. On receiving a guarantee that 1,500 acres of beet would be sown by local land-holders, a company erected **a** large building and plant, and operated for two seasons. Although **a** good quality of sugar was produced, various climatic, financial, and other difficulties compelled the company to close down the works, and the Government, as chief creditor, took control.

In 1910 a definite campaign to revive the industry was commenced, and the mill was re-opened; since that time it has operated from year to year. Estates were purchased by the Government at Boisdale and Kilmany, and land was allotted to settlers, subject to the proviso that each would grow a certain quantity of beet. The compulscry system of securing acreage was not found satisfactory, and all crops are now grown voluntarily. Recently the financial results have been sufficiently favorable to more than compensate for all losses; the by-products have been found to be of great value to the dairying industry, and the sugar has become a most important item of Gippsland's food supply. The Government has decided to remodel the plant, and preliminary arrangements are being made to enable this to be done. A sum of $\pm 65,000$ has been voted for the purpose, and an engineer has been appointed to proceed with the work.

The State Rivers and Water Supply Commission is well advanced with an irrigation scheme on the Macalister River, which will provide water for the whole district. Under irrigation it is anticipated that the beet supply will at least double itself, and that the industry will expand on more favorable and economical lines than in the past.

The following particulars summarize the results of the industry for the last ten seasons :---

	Seas	on.		Area Harvested.	Sugar Beet Harvested.	Sugar Produced
1914–15	••			acres. 990	tons. 8,843	tons. 1,182
1915–16	••	••		461	4,928	560
1916–17	••	••	•••	1,320	15,159	1,948
191718	••	••	•••	1,200	14,487	1,650
1918-19	••	••		1,009	12,289	1,263
1919-20	••	••	••	1,080	13,084	1,551
192 0–21	••	•••		1,180	7,147	833
1921–22	••	••		1,602	16,578	1,872
1922–23	••	••		2,045	20,444	2,784
1923-24	••	••		1,937	29,512	3,499

The last season was a very favorable one in every respect. Growers were paid 37s. 6d. a ton for their beets, and a profit of £19,016 was realized.

Breweries. Particulars regarding breweries for the ten years 1914 to 1923-24 are set forth in the next table. Machinery and plant were valued at £394,785 in 1914 and at £661,475 in 1923-24, whilst land and buildings were valued at £396,030 and £459,800 respectively in those years. The wages paid in 1923-24 amounted to £323,806.

Year.	Number of	Number	М	aterials Use	ed	Beer Made.	Value of Output.	
	Breweries.	Employees.	Sugar.	Malt.	Hops.			
			ewt.	bushels.	lbs.	gallons.	£	
1914	25	1,036	133,707	678,526	738,953	23,865,000	1,196,306	
1915	22	893	111,363	600,333	661,299	20,340,000	1,061,196	
1916-17	19	857	105,238	616,630	710,470	20,112,000	1,118,288	
1917–18	18	866	109,640	650,500	748,840	21,021,000	1,334,344	
1918-19	17	932	112,080	625,770	722,590	20,963,000	1,476,335	
1919-20	17	1,008	110,020	720,515	769,765	22,610,000	1,830,548	
1920-21	16	1,048	104,140	753,260	736,580	22,257,000	2,098,720	
19 21–22	15	1,047	107,160	688,090	717,950	22,388,000	2,200,882	
192223	14	1.086	110,051	723.511	768.870	23,212,000	2,322,814	
192324	14	1,180	112,840	743,131	796,769	23,907,000	2,412,387	
1 - C C C C C C C C	1	()		ì	1		1	

BREWERIES, 1914 TO 1923-24.

Distilleries. The number of distilleries working in 1923-24 was 10, and the persons employed numbered 129, of whom four were working proprietors. The estimated value of the machinery, plant, land and buildings was £280,520. The quantities of materials used in manufacture and of spirits distilled in each of the last ten years were as follows :—

Year.			Wine.	Malt.	Other Grain.	Molasses.	Spirits Distilled.
			gallons.	bushels.	bushels.	lbs.	proof gal.
1914	••		1,248,957	39,043	118	1,649,760	409,815
1915	• •	• • •	984,817	34,896	118	1,592,640	386,152
1916-17	••		1,452,048	176,472	170	1,093,120	658,357
1917-18	••		1,137,640	376,830		3,962,560	1,150,091
1918-19	••		1,206,530	385,690	397	5,604,480	1,185,629
191920	••		1,524,860	180,306		3,230,080	702,586
1920-21			1.041.890	125,414	1,422	2,682,960	572,671
1921-22			671,162	58,848		1.167,600	390,840
1922-23			1,100,568	77,717		85,120	473,152
1923-24	••		1,114,590	121,691		2,350,880	730,158

DISTILLERIES, 1914 to 1923-24.

Spirits made by vine-growers for fortifying wine are not included in the foregoing table. The following quantities were distilled in vineyards for that purpose during the last ten years :--12,256 gallons in 1914, 9,955 gallons in 1915, 9,937 gallons in 1916-17, 5,134 gallons in 1917-18, 2,232 gallons in 1918-19, 5,141 gallons in 1919-20, 15,486 gallons in 1920-21, 23,020 gallons in 1921-22, 14,930 gallons in 1922-23, and 13,792 gallons in 1923-24.

The number of tobacco, cigar, and cigarette factories Tobacco licensed in 1923-24 was thirty-one, of which seventeen were factories. too small to be classified as ordinary factories and were consequently not included in the statistical tabulation on page 540. In the year mentioned the remaining fourteen employed 1,803 hands, who were paid £332,930 in wages, and used machinery, plant, land and buildings valued at £339,810. The subjoined table shows the quantity of tobacco leaf used by and the output of the full number of licensed establishments for the last ten years :--

Year.		ctured Leaf ited on.	Quantity Manufactured.				
	Australian.	Imported.	Tobacco.	Snuff.	Cigars.	Cigarettes.	
		.1					
	lbs.	lbs.	lbs.	lbs.	number.	number.	
.914	340,296	4,708,548	5,140,695	746	23,533,572	140,100,500	
.915	515,969	4,414,921	5,022,910	565	22,676,586	138,111,000	
916-17	656,320	5,254,110	6,089,929	446	26,268,733	123,480,200	
.917–18	558,278	4,598,364	5,479,191	313	27,920,180	126,883,970	
918-19	405,625	5,096,176	5,842,142	1,049	27,973,908	125,372,900	
919-20	573,932	5,189,098	6,164,126	426	35,232,399	143,374,400	
920-21	751,137	5,290,854	6,443,480	228	35,549,722	109,686,950	
921-22	535,590	5,250,641	6,345,508	232	33,893,695	152,908,600	
922-23	540,322	5,628,555	6,709,060	231	32,699,019	99,771,650	
923-24	471,862	4,998,680	5,833,903	99	29,244,981	87,896,350	

TOBACCO FACTORIES, 1914 to 1923-24.

Wootlen mills.

There were twenty-seven woollen mills working in 1923-24. and the number of persons employed therein was 4,914 of whom twenty-two were working proprietors. The wages paid to employees amounted to £713,411, and the approximate value of the machinery, plant, land and buildings was £2,878,350. The value of the raw materials used during the year was £2,086,136, and that of the goods manufactured in the same period, £3,561,480.

The quantities of wool and cotton used and of goods manufactured in each of the last ten years were as follows :----

	Quantity	Quantity	. 6	Value			
Year.	Year. Of Of Scoured Cotton Wool Used. Used.	Tweed and Cloth.	Flannel.	Blankets.	Shawls and Rugs.	Output.	
	lbs.	lbs.	vards.	vards.	pairs.	number	£
1914	3,607,690	1,075,666	1,036,079	5,546,841	258,859	22,455	577,43
1915	6,521,130	702,653	1,331,137	5,136,258	347,988	6,418	931,774
1916 - 17	5,114,320	599,288	1,238,363	5,250,093	259,080	3,661	1,006,63
1917 - 18		832,400	1,429,050	5,411,990	214,410	8,560	1,036,08
1918 - 19	4,614,585	513,800	1,429,200	5,047,490	191,130	19,430	1,126,11
1919 - 20		578,542	2,212,202	3,667,816	165,794	51,637	1,976,42
1920 - 21	7,702,055	553,282	2,509,198	4,035,298	224,745	47,179	2,397,61
921 - 22	-,,	586,836	1,872,512	5,759,987	297,700		2,482,76
1922 - 23	9,640,760	621,490	1,714,460	6,622,350	314,803	71,073	3,264,02
923 - 24	7,936,456	848, 812	1,927,298	6,095,442	377,354	115,443	3,561,48

WOOLLEN MILLS, 1914 to 1923-24.

During the period 1914 to 1923-24 the value of the output of woollen mills increased by 517 per cent. The articles manufactured showed a considerable increase in quantity in the ten-year period, and, except in the case of flannel, the production of individual articles was greater in 1923-24 than in the preceding year.

Boot factories. The development which has taken place in the boot industry in recent years is exhibited in the following tables :---

Year.			Number of Persons Factories. Employed.		Value of Machinery, Plant, Land, and Buildings.	Wages Paid.	
					£	£	
1914			172	6,924	455,158	603,318	
1915	·		174	6,847	483,683	625,886	
1916-17	••		201	8,494	529,950	843,772	
1917-18	•••		231	8,565	577,125	858,874	
1918-19	•••		238	8,961	627,770	987,203	
1919-20	••		264	10,357	716,305	1,252,004	
1920-21			304	9,212	927,310	1,208,760	
1921-22	••		334	11,714	1,130,425	1,760,589	
1922-23	·		371	12,434	1,338,555	1,922,345	
1923-24			400	12,434	1,529,615	1,941,075	

BOOT FACTORIES, 1914 to 1923-24.

			Goods Ma	$nufactured \rightarrow$			
Year.		Boots and Shoes.	Slippers.*	- Value of Materials Used.	Value of Output.		
			pairs.	pairs.	£	£	
1914	••		4,913,593	272,866	1,281,352	2,160,500	
1915	••		5,257,415	191,044	1,502,285	2,436,673	
1916 - 17	••		6,210,866	212,582	2,171,812	3,460,404	
1917-18	••		6,049,510	205,614	2,093,803	3,442,302	
1918-19	••		6,073,117	243,383	2,563,423	4,040,550	
1919-20			6,774,267	552,652	3,909,570	5,996,639	
1920 - 21	• •		5,447,504	559,213	2,911,852	4,964,462	
1921 - 22			7,571,231	903,992	3,109,863	6,043,172	
1922-23			7,591,946	851,289	3,059,769	6,157,132	
1923-24			7,063,385	1,107,257	2,879,194	5,888,699	

OUTPUT OF BOOT FACTORIES, 1914 to 1923-24.

* Includes canvas shoes and house-boots.

Dress (exclusive of boot) factories. The value of the output of establishments connected with the manufacture of dress, *i.e.*, clothing, tailoring, dressmaking, millinery, underclothing, hats and caps, &c., but exclusive of boots and shoes, was £13,118,477 in 1923-24,

as compared with £5,568,744 in 1914. During the period 1914 to 1923-24 the persons employed increased by 6 per cent., the wages paid by 125 per cent., the value of materials used by 139 per cent., and the value of the output by 136 per cent. Particulars of the industry for each of the last ten years are as follows :—

DRESS (EXCLUSIVE OF BOOT) FACTORIES, 1914 to 1923-24.

Year. Number of Factories.		Nu	mber of Per Employed		Amount of Wages	Value of Materials	Value of
	Males.	Females.	Total.	Paid.	Used.	Output.	
				· •	c	e .	e
1914	1,298	4.019	25,660	29.679	1.591.133	3.001.379	5,568,744
915	1,198	3,833	24,126	27,959	1,554,921	3,295,009	5,901,23
916-17	1,196	3,744	25,739	29,483	1,747,478	3,919,333	6,765,32
91718	1,209	3,730	24,630	28,360	1,788,136	4,512,648	7,674,70
918-19	1,210	3,776	23,505	27,281	1,915,096	5,205,460	8,599,60
919–20	1,252	4,123	25,490	29,613	2,490,549	6,628,276	11,407,32
1920–21	1,346	4,383.	25,980	30,363	2,872,171	7,804,264	12,994,01
921-22	1,424	4,674	27,370	32,044	3,328,326	7,689,101	13,429,23
922-23	1,526	4,951	28,595	33,546	3,554,303	7,456,539	13,354,23
1923-24	1,501	4,751	26,772	31,523	3,574,059	7,181,020	13,118,47

Electric Particulars relating to the electric light and power works of the State are given in the next table :---

Year.	Number of Stations.	Horse- power of Machinery.	Value of Machinery and Plant.	Persons Em- ployed.	Wages Paid.	Electricity Supplied.	Value of Output.
						British	
	1		£		£	units.	£
1914	58	28,485	1,418,511	924	131,854	44,890,000	473,918
1915	63	33,127	1,569,553	957	135,045	53,210,000	536,251
1916-17	74	42,144	1,787,477	1,144	178,430	71,622,000	673,769
1917-18	75	48,526	1,889,550	1,167	183,948	79,486,000	760,117
191819	77	48,777	2,135,310	1,149	190,280	83,778,000	835,190
1919-20	78	49.241	2,632,665	1,215	217,995	100,838,000	953,039
1920-21	79	54,189	2,660,945	1,242	283,309	115,105,000	1,131,331
1921-22	84	57,481	3,166,750	1,350	334,805	136,021,000	1,407,268
1922 - 23	-88	72,106	4,042,910	1,451	377,048	157,728,000	1.614.139
1923 - 24	90	154,622	5,864,065	1.752	462,172	405,108,000	2.176.551

ELECTRIC LIGHT AND POWER WORKS, 1914 to 1923-24.

The electricity supplied in 1923-24 represented an increase of over 800 per cent. on that supplied in 1914.

The particulars relating to the power houses at Newport under the control of the Victorian Railways Commissioners and the State Electricity Commission are included in the figures for 1923-24 which appear in the above table. This largely accounts for the seeming discrepancy between the quantity and value of the output for the year mentioned. The quantity of electricity generated in these power houses in 1923-24 was 275,114,000 units; the value of this has been estimated at bulk rates by the respective departments.

STATE ELECTRICITY COMMISSION ACTS 1918 AND 1920.

When it was first appointed in 1919, the operations of the State Electricity Commission of Victoria were carried on under the provisions of the *Electricity Commissioners'* Act 1918, which provided for the appointment by the Governor in Council of three Commissioners to administer the Act. By an amending Act of the 24th December, 1920, the name of the Act was changed to the *State Electricity Commis*sion Act 1918, and provision was made, inter alia, for the appointment of four Commissioners for a period of seven years, one of whom would devote the whole of his time to the Commission's works as permanent chairman. In addition to the Acts mentioned above, the Commission administers the *Electric Light and Power Act* 1915, the provisions of which give it control over all electrical undertakings in the State.

The duties of the Commission include the following :----

(1) To inquire into and report to the Government as to the steps which should be taken to co-ordinate and concentrate all electrical undertakings in Victoria, and to secure the efficient inter-connexion of such undertakings by the adoption of the necessary standards of plant, pressure, &c.

- (2) To encourage and promote the use of electricity for industrial and manufacturing purposes, and to report to the Govern
 - ment on the prospects of establishing new industries in Victoria requiring large quantities of electrical energy.
- (3) To carry out investigations of coal deposits or of water power in connexion with the generation of electricity

The Commission is vested with the following powers in relation to electrical undertakings :---

- (1) To erect and operate electrical undertakings.
- (2) To supply electricity in bulk to any corporation.
- (3) To supply electricity to any person outside any area in which there is an existing undertaking.
- (4) To carry on any business associated with an electric undertaking.
- (5) To make regulations as to precautions to be adopted in the use of electricity, and to arrange for the licensing of electric wiremen.

Authority is also given to the Commission to establish and operate State Coal Mines.

The Commission has complete control over all officers and employees required for the carrying out of the provisions of the Act.

In accordance with the instructions contained in the Act, the Commission has constructed a coal winning plant and an electric generating station in the neighbourhood of Morwell, for the purpose of utilizing the practically unlimited supplies of brown coal in that area. The scheme provides for the winning of coal on the open cut system by means of mechanical appliances, for the erection of a power station close to the site of the open cut, having an initial capacity of 50,000 kilowatts, with provision for triplication, and for the erection at Yarraville of a receiving station with the necessary switch and transforming gear. This latter station is now completed and in operation.

In addition, a plant is being installed at Yallourn, which will be capable, in the initial stages, of supplying annually 96,000 tons of brown coal briquettes.

In order to relieve the insistent demands for electrical power until the Morwell station is in operation, the Commission has installed at Newport a station with an initial capacity of 14,000 kilowatts. It is intended that this station shall take only the "peak" loads when the Morwell station comes into operation.

Supply of electricity from the Commission's temporary station at Yallourn is already being given to the following towns in the Gippsland district (in addition to the Commission's township of Yallourn) :----Morwell, Traralgon, Moe, Trafalgar, Yarragon, Maffra, Sale, Tyers, Heyfield, Mirboo North, Drouin and Korumburra. Ultimately, supply will be given to other towns throughout Gippsland and on the route of the main transmission line.

A transmission line has been built from Geelong, stretching through the south-western district of Victoria to the town of Warrnambool (a distance of 117 miles), giving supply to the latter town and to the following towns *en route* :—Colac, Camperdown, Terang, Mortlake, Warrion,

Beeac, Cobden, Noorat, Alvie, Allansford, Winchelsea and Birregurra. This transmission line (operating at 44,000 volts) is believed to be among the longest in the British Empire.

Supply has also been given to the towns of Point Lonsdale, Queenscliff, Portarlington, Drysdale and Ocean Grove by another transmission line from Geelong.

The energy is generated at the Melbourne Electric Supply Company's Power House at Geelong under an agreement between that body and the Electricity Commission until such time as energy is available from the Commission's main power station at Yallourn.

The Commission is supplying energy in bulk to the Melbourne City Council, the Melbourne Electric Supply Company, the municipalities of Brunswick, Coburg, Williamstown, and Footscray, and the shires of Braybrook and Lilydale, and has built a subsidiary line, operating at 22,000 volts, from Brunswick sub-station, which encircles the eastern half of the outer metropolitan area, passing through and giving service to Ringwood, Dandenong, Frankston, and the Mornington Peninsula. It has also taken over the supply and retail distribution of energy to Dandenong, Werribee, and Essendon—Flemington.

The Commission is empowered to develop hydro-electric resources, and with this object to maintain survey parties constantly in the field for the purpose of obtaining data relative to stream, flow, volume, etc.

Plans are complete for the building of hydro-power stations at Royston, Rubicon, Rubicon Lower, Snobbs Creek and Sugarloaf—all to feed into a common sub-station about eight miles from Sugarloaf. The total capacity of hydraulic turbines to be installed in these stations is 25,800 brake horse power. The construction of the transmission line from Sugarloaf to Thomastown has been commenced, and, pending completion of the line, supply will be given to the north-eastern portions of the State over a transmission line from Thomastown.

Gasworks. The approximate value of the machinery, plant, land and buildings connected with gasworks in Victoria was £1,796,720 in 1914, and £2,440,710 in 1923-24. The gas made in the latter year was 42 per cent. in excess of that made in 1914. Particulars in regard to these works are given below.

Year.	Number of Works.*	Persons Employed.	Wages Paid.	Coal Used.	Gas Made.	Coke Produced.	Value of Output.
1914 1915 1916-17 1917-18 1918-19 1919-20 1920-21 1922-23 1923-24	47 47 47 46 45 45 45 45 45 45 45 45	2,117 2,175 2,093 2,089 2,270 2,267 2,213 2,309 2,444 2,561	£ 332,971 347,434 365,777 375,181 420,597 472,855 576,515 609,600 639,954 699,173	tons. 300,152 307,902 317,450 353,584 331,149 339,250 383,092 402,537 410,517	cubic feet. 3,806,380,000 4,107,578,000 4,449,230,000 4,505,847,000 4,592,305,000 4,592,305,000 4,592,305,000 5,151,380,000 5,443,9083,000 5,443,903,000	tons. 195,178 204,957 200,660 220,287 206,245 216,771 239,755 260,526 259,080	£ 979,229 1,035,941 1,181,096 1,263,030 1,373,603 1,395,320 1,608,999 1,953,936 1,941,808 2,098,571

GASWORKS, 1914 TO 1923-24.

* Including one establishment manufacturing coke only, which has not worked since 1919-20.

Oil was used as well as coal in the manufacture of gas, the number of gallons consumed each year being 332,586 in 1914, 328,230 in 1915, 345,272 in 1916–17, 396,717 in 1917–18, 355,933 in 1918–19, 343,764 in 1919–20, 360,876 in 1920–21, 300,188 in 1921–22, 248,481 in 1922–23, and 223,986 in 1923–24.

Number and Location of Factories. The facilities afforded in the metropolitan area have had the effect of bringing within that area the more important of the manufactories. The distribution of factories by classes between the metropolis and the remainder

of the State, for 1914 and each of the last three years, is exhibited in the following statement :---

			Ν	umber of	Factori	es.		
Class of Industry.		Metr	opolis.			'Remaind	ler of Stat	æ.
	1914.	1921–22.	1922-23.	1923-24.	1914.	1921–22.	1922–23.	1923-24.
miol								
Treating raw material, product of pastoral								
pursuits, &c.	78	89	87	84	276	204	208	204
Treating oils and fats,		0			210	204	200	201
animal, vegetable,				1				
&c	14	· 19	21	19	11	9	9	9
Processes in stone,							-	
clay, glass, &c.	102	130	140	149	111	85	91	103
Working in wood	202	265	289	336	247	322	324	355
Metal works, machin-					1.1			
ery, &c.	493	671	705	696	229	213	213	212
Connected with food		1						
and drink, &c.	196	277	289	277	.447	431	442	443
Clothing and textile	1,141	1,460	1 500	1.594	071	0.00	0.00	0.70
fabrics, &c	1,141	1,400	1,589	1,594	374	358	370	373
Books, paper, print- ing, &c	288	345	356	367	165	162	161	170
Musical instruments.	400	040	300	501	105	102	101	1/0
åc	5	14	17	19		1 1	1	1
Arms and explosives	7	10	9	1 19	4	1	1	1
Vehicles, saddlery,					î î	1 1	1	
harness, &c.	240	365	371	413	298	361	379	417
Ship and boat build-								
ing and repairing	14	10	10	11	1	1	1	1
Furniture, upholstery							1	
and bedding	, 243	337	367	370	26	29	30	36
Drugs, chemicals, and						1		
by-products	56	88	91	90	35	27	31	31
Surgical and other	23	35						
scientific appliances	23	30	36	34	· 1	2	2	2
Jewellery, time-pieces and plated-ware	93	101	105	104	5	8		
Heat, light, and	90	101	105	104	э	8	6	- 7
DOWER	42	80	88	95	92	117	121	124
Leatherware, n.e.i.	34	58	61	59	74	2	121	124
Minor wares, n.e.i.	55	63	68	62	2		4	9
							±	
Total	3,326	4,417	4,699	4,788	2,324	2,336	2,397	2,501
	-,-==		-,		_,	_,000		2,001

NUMBER AND LOCATION OF FACTORIES.

Since 1914 the number of factories in the State has increased by 1.639, the greatest numerical increase in the classes being that

of the clothing and textile factories, of which there were 452 more in 1923-24 than in 1914.

Employment in set forth in the next statement :--

		1			1
Class of Industry.	1914.	1920-21.	1921–22.	1922-23.	1923-24.
<u></u>					 -
Treating raw materials, product			ļ		
of pastoral pursuits, &c	3,310	· 4,045	4,329	4,488	4,276
Treating oils and fats, animal,					
vegetable, &c	711	835	880	915	920
Processes in stone, clay, glass,					
&c	4,283	5,486	5,391	6,059	6,661
Working in wood	7,472	9,529	9,537	9,939	10,825
Metal works, machinery, &c	19,694	23,276	22,868	23,406	24,978
Connected with food and drink,					
&c	15,308	17,673	17,974	19,037	19,199
Clothing and textile fabrics, &c.	39,446	44,341	48,844	51,898	50,248
Books, paper, printing, &c	9,153	10,281	10,465	11,307	12,098
Musical instruments, &c.	170	384	390	444	498
Arms and explosives	.970	650	756	406	423
Vehicles, saddlery, harness, &c.	5,086	6,087	6,173	6,407	7,028
Ship and boat building and	.,				,
repairing	593	900	684	618	392
Furniture, bedding, and uphol-	000		1 001	010	
stery	2,986	3,917	3,709	4,392	4,629
Drugs, chemicals, and by-	2,000	0,021	0,000	-,00=	-,020
products	1,834	2,564	2,465	2,511	2,699
Surgical and other scientific	1,001	2,001	2,100		-,000
appliances	114	199	203	203	195
Jewellery, time-pieces, and plated-	712	155	200	200	195
ware	925	1.397	1.183	1,151	1,110
Heat, light, and power	3,769	4,738	5,090	5,364	5,879
T	566	4,758	1,065	1,123	1,071
Minor wares, n.e.i.	2,009	3,384	2,870	2,957	3,033
Millor wates, n.e.i	2,009	0,004	2,870	4,907	ə,0 <u>ə</u> ə
Total	118,399	140.743	144.876	152,625	158 169
Totai	110,399	140,743	144,870	102,025	156,162

AVERAGE NUMBER OF PERSONS EMPLOYED IN FACTORIES.

The total increase in the number of hands employed during the period covered by the above table was 37,763, which represented an advance of about 31 per cent. The greatest development had taken place in clothing factories, industries connected with food, drink, &c., and metal works, which showed increases of 10,802, 3,891, and 5,284 respectively in the number of persons employed in 1923-24 as compared with the number in 1914.

An examination of the figures relating to factories in Size of factories. 1914 and 1923-24 shows that increases in the number of factories and in the number of hands employed have been most pronounced in the smallest sized factories, and in those employing from 21 to 50 hands. Particulars of factories of different sizes in 1914 and 1923-24 are given in the next two tables :---

FACTORIES ACCORDING TO NUMBER OF HANDS EMPLOYED.

Size of Factory.	Numi	er of Factori	es.	Average Number of Hands Employed,					
Size of Factory.	1914.	1923–24.	Increase.	1914.	1923-24.	Increase			
Under 4 hands 4 , 5 to 10 ,, 11 to 20 ,, 21 to 50 ,, 51 to 100 ,, Over 100 ,,	$1,045 \\ 646 \\ 1,941 \\ 926 \\ 659 \\ 239 \\ 194$	1,6367292,2331,202939311239	$ \begin{array}{c} $	2,411 2,584 13,437 13,457 20,838 16,510 49,162	3,643 2,916 15,567 17,368 29,960 21,623 65,085	$ \begin{array}{c} \% \\ 51 \cdot 1 \\ 12 \cdot 8 \\ 15 \cdot 9 \\ 29 \cdot 1 \\ 43 \cdot 8 \\ 31 \cdot 0 \\ 32 \cdot 4 \end{array} $			
Total	5,650	7,289	29.0	118,399	156,162	31.9			

PROPORTION OF FACTORIES OF DIFFERENT SIZES.

					Percentag	e to Total.	
Size of Factory.				Facto	ories.	H	ands.
		· 		1914.	1923-24.	1914.	1923-24
Under 4 h	ands			18.5	22.4	2.0	2.3
4	,,	••	••	11.4	10.0	2.2	1.9
5 to 10	,,	• • •		$34 \cdot 4$	30.6	11.4	10.0
11 to 20	,,			16.4	16.2	11.4	11.1
21 to 50	,,	••	· · ·	11.7	12.9	17.6	19.2
51 to 100	,,			4.2	4.3	13.9	13.8
Over 100	,,	••	•••	3.4	3.3	41.5	41.7
	Total	••	••	100.0	100.0	100.0	100.0
					l seguri se	1.0	

Occupations in factories. In the following table the persons employed in factories are grouped according to their occupational status :---

Occupations.	1914.	1919-20.	1920-21.	1921–22.	1922-23.	1923-24.
Working proprietors Managers, overseers Accountants, clerks	5,707 3,283 3,981	5,898 4,130 5,602	6,645 4,354 6,106	6,904 4,454 6,307	$4,673 \\ 6,582$	7,500 4,929 6,966
Engine-drivers, firemen Workers in factory or works	1,835 97,923	2,144 113,276	2,108 116,650	2,156 119,598	126,791	2,197 129,617
Outworkers Carters, messengers Others	1,737 2,835 1,098	1,492 3,056 924	1,151 2,964 765	$1,476 \\ 3,115 \\ 866$	3,316	870 3,378 705
Total	118,399	136,522	140,743	144,876	152,625	156,162

OCCUPATIONS OF PERSONS EMPLOYED IN FACTORIES.

Outworkers. The term "outworker" used in the above table relates to factory workers working in their own homes, but does not include individuals working for themselves. The employment of outworkers is regulated by a special provision of the Factories and Shops Act. They are required to register their names and addresses with the Chief Inspector of Factories, and factory proprietors are forbidden to give work to those who are not registered.

Sex distribution in factories. The average numbers of males and females employed in factories and their proportions to the male and female populations, for the years 1914 to 1923-24, were as follows :--

EMPLOYMENT OF MALES AND FEMALES IN FACTORIES.

		М	ales.	Fe	males.	Total.			
Year.		Number.	Average . per 10,000 of Male Population.	Number.	Average per 10,000 of Female Population.	Number.	Average per 10,000 of Total Population		
1914		79,772	1,119	38,627	543	118,399	832		
1915		75,971	1.097	37.863	522	113,834	798		
1916-17		74,924	1,123	42,046	574	116,970	836		
1917-18		76,654	1,142	41,587	562	118,241	838		
1918-19		81,357	1,188	40,992	550	122,349	855		
1919-20		92,101	1,243	44,421	588	136,522	913		
1920-21		96,379	1,277	44.364	580	140,743	926		
1921-22	·	97.789	1,279	47.087	599	144,876	934		
1922-23		103,092	1,307	49,533	618	152,625	960		
1923-24		107.578	1,334	48,584	593	156, 162	961		

Males formed 67.4 per cent. in 1914 and 68.9 per cent. in 1923-24 of the total persons employed. The increase during the period 1914 to 1923-24 in the number of males employed was 27,806, or 34.8 per cent., and in the number of females employed, 9.957, or 25.8 per cent.

Employment females.

Of the total females in factories 72.9 per cent. are engaged in the textile and clothing industries, and 10.7 per cent. in the preparation of food and drink. The extent of female employment in certain industries is shown in the next table :----

	Number I	Imployed.	
Industry.	Males.	Females.	Females per 100 Males.
Oatmeal, &c	409	323	78.97
Biscuit	867	609	70.24
Jam, pickle, and sauce	1,521	1,052	69.16
Confectionery	1075	1,964	104.75
Tobacco, &c	1 190	631	53.07
Woollen mills	0.010	2,696	121.55
Clothing, tailoring, &c	0.071	7,575	333.55
Dressmaking, millinery	410	8,311	2,027.07
Underclothing	420	5,669	1,349.76
Hats, caps, &c	693	969	139.82
Hosiery	564	3,460	$613 \cdot 48$
Waterproof clothing	52	130	250.00
Boots and shoes	7,100	5,334	75.12
Printing, &c	6 709	1,681	24.75
Bookbinding, stationery, &c.	701	667	95.15
Fancybox, &c	328	818	$249 \cdot 39$
Rope, twine	569	375	65 . 91
Sail, tent	127	112	88.19
Ammunition	86	. 61	70.93
Match	189	423	$223 \cdot 81$
Fancy leather	542	373	68.82
Rubber goods	1,662	539	$32 \cdot 43$
All other factories	76,993	4,812	6 · 25
Total	107,578	48,584	45.16

FEMALE EMPLOYMENT IN FACTORIES, 1923-24.

A favorable feature of factory statistics has been Child labour the small proportion of children engaged in factories. in factories. Of the male and female employees, boys and girls under 16 constituted 4.03 and 7.15 per cent. respectively in 1923-24, as against 3.88 and 4.78 per cent. in 1914. The number of children

employed in factories and their proportions to the total employees are given in the subjoined table for the years 1914 to 1923-24 :---

					Propor	rtion per cent	. of—
Year.	•	Boys under 16.	Girls under 16.	Total Children.	Boys to Male Employees.	Girls to Female Employees.	Children to Total Employees.
1914		2,898	1,816	4.714	3.88	4.78	4.18
1915		3.355	2,197	5,552	4.71	5.89	5.12
1916-17		3,072	2,301	5,373	4.37	5.55	4.81
1917-18	••	3.195	2,447	5,642	4.45	5.97	5.00
1918-19	• • •	3,137	2,389	5,526	4.15	5.90	4.73
1919-20	••	3,721	2,872	6,593	4.04	6.47	$4 \cdot 83$
1920 - 21		3,715	2,798	6,513	4.11	6.39	4.86
1921-22		3,780	3,120	6,900	4.13	6.71	5.00
1922 - 23		4,031	3,163	7.194	4.18	6.48	4.95
1923 - 24		4,057	3,422	7,479	4.03	7.15	$5 \cdot 03$
		-					

CHILDREN EMPLOYED IN FACTORIES.

Machinery In factories. In the following table are shown the number of factories using mechanical power, the total horse-power of the engines used, and the value of the machinery and plant for the ten years 1914 to 1923-24 :—

	Year.		Number of Factories equipped with Machinery.	Value of Machinery and Plant.	Horse-power of Engines.
• = <u>.</u>		• <u>-</u>	-	£	· · · · ·
1914	• • •		4,106	10,727,526	110,055
1915	• •	•	4,089	11,068,949	117,815
1916-17			4,226	11,732,062	136,985
1917-18	••	• • •	4,371	12,612,797	149,095
1918-19	•••	• ••	4,470	13,645,220	153,408
1919-20	••		4,737	15,846,935	166,803
1920-21	••		5,161	18,179,385	182,143
1921-22			5,473	21,182,110	191,881
1922-23	• •		5,762	23,994,715	216,427
1923-24			6.030	28,223,915	314,561

MACHINERY IN FACTORIES.

The nature of the power used and the capacity of the machinery in the factories of the State are set out in the next table. Establishments using more than one kind of mechanical power are included once only in the first portion, usually under the power which is principally used. The second portion shows the total horse-power of engines used.

			Num	ber of Facto	ries using-		
Year.	St	eam.	Gas.	Electricity.	Oil.	Water, Wind, or Horses.	Manual Labour
1914	. 1	,040	858	1,782	348	78	1,544
1915		961	824	1,915	330	59	1,324
1916-17 .	.	931	800	2,142	311	42	1,219
1917-18 .	.	896	784	2,365	285	41	1,256
191819 .	•	875	782	2,481	297	35	1,250
1919-20 .	•	910	761	2,712	315	39	1,301
1920–21 .	•	941	705	3,128	360	27	1,371
921-22 .	.	935	666	3,474	364	34	1,280
.922–23	•	910	655	3,795	372	30	1,334
192324	.	885	540	4,174	402	29	1,259
Year.		Steam.	Ac Ga	tual Horse-p	ower of Er	oil.	Total.
			-				
914		67,649	17,4	32 22	584	2,390	110,055
915		71,223	17,9	35 26	385	2,272	117,815
916-17		81,611	18,6	51 34	348	2,375	136,985
9 7-18	•••	89,561	19,0	45 38	246	2,243	149,095
918–19	••	91,245			,791	2,443	153,408
919-20	••	95,747	19,1		,814	3,059	166,803
920-21		03,048	19,3		,602	3,162	182,143
921-22		06,882	. 19,3		,663	3,009	191,881
	1 1	12.547	18.9	68 81	.679	3,233	216,427
922–23 923–24		95,744	18,3		340	5,083	314,561

POWER USED IN FACTORIES, 1914 to 1923-24.

Although steam is the principal motive power, and was used to supply 62 per cent. of the total mechanical power employed in factories in 1923-24, a remarkable development is shown in the use of electricity, which in 1914 was used by 1,782, and in 1923-24 by 4,174 factories, the actual horse-power increasing from 22,584 to 95,340 in the same period.

Wages in factories. The total amount and the average amount of salaries and wages paid to male and female employees in factories are given in the following table :---

Year.	Salaries pa to Managers Clerks.		to			Average Salary of Managers and Clerks.					Average Wage of Factory Workers.					
	Males.	Females.	Males.	Females.	м	ales	s.	Fer	nale	es.	М	ales		Fer	male	es.
	£	£	£	£	£	s:	d.	£	8	<i>d</i> .	£	8.	<i>d</i> .	£	8.	d
914	1,187,114	125,610	8,065,222			9	7	97	18		117	6	10			6
.915	1,232,981	133,362	7,928,871	1,741,131		10	7	94	11		121	13	- 9	48		0
916 - 17	1,364,269	171.675	8,226,582	2,070,991	220	3	0	97	- 3	1	128	7	8	52		- 7
917-18	1.462,220	190,707	8,679,530	2.170.144	231	4	4	99	15	11	132	8	6	55	10	1
918-19	1,625,584	208,524	9,906,082	2.340,213	244	5	4	101	7	5	141	19	8	60	19	(
919 - 20	1.967.959	270.875	12,515,207	2.948.132	264	8	1	118	6	9	157	16	8	70		-
920 - 21	2,384,372		15,284,545	3,398,275	298	19	7	124	15	2	185	12	4	82	5	11
921 - 22	2,563,467	357,691	16,933,984	3,991,353	316	18	11	133	16	4	202	19	11	91	2	1
922-23	2,761,045		18,038,101	4,353,680	331	10	9	134	14		204		2	94	16	Ę
923-24	3,003 855		19,577,822			19	- 1	142	13	5	212	19	0	-99	- 7	

SALARIES AND WAGES PAID IN FACTORIES.

The particulars appearing in the above table reveal a steady increase in the average earnings of males and females, this being shown both in the salaries of managers, overseers, and clerks, and in the wages of factory workers generally.

The amount of wages paid during the year 1923-24, £27,472,084, represented an average payment for all employees of £184 15s. 11d., which was an increase of £9 0s. 2d. on the average wage for 1922-23, of £11 19s. 2d. on that for 1921-22, of £25 7s. 7d. on that for 1920-21, of £49 5s. 6d. on that for 1919-20, of £64 6s. 6d. on that for 1918-19, of £74 0s. 7d. on that for 1917-18, of £78 18s. 5d. on that for 1916-17, of £83 0s. 11d. on that for 1915, and of £86 5s. 11d. on that for 1914. Concurrent with this increase there was a slight change in the relative proportions of male and female workers during the ten years, the percentages of male to total employees being 69 in 1920-21, 68 in 1915, 1919-20, 1921-22, 1922-23, and 1923-24, 67 in 1914 and 1918-19, 65 in 1917-18, and 64 in 1916-17. The above average wage for 1923-24 (£184 15s. 11d.) was probably below the average according to the determinations of Wages Boards. This is mainly accounted for by the fact that the former sum is based on the actual payments to workers, while the latter represents the average of the sums to which they would have been entitled if they had worked throughout the whole year. There is, of necessity, a difference between the two averages, as all hands are not continuously employed, nor are all factories working throughout the whole year.

Cost and value of production in factories. The cost of production and the value of the output in each class of manufacturing industry during the year 1923-24 are given in the subjoined statement :---

Cost of-Fual Value of Class of Industry. Raw Light, Salarios Output. and Wages Materials hre Paid Used. Power Used. , £ £ £ £ Treating raw material, product 110.188 of pastoral pursuits, &c. 4.591.973827.819 . . 6,196,579 Treating oils and fats, animal, vegetable, &c. 797.828 41.193 188,311 1.289.619 Processes in stone, clay, glass, 494.219 &с. 698.677 1.453.3483.739.356. Working in wood 45,706 2.643,435 2,164,208 . . 6,276,504 . . Metal works, machinery, &c. 311.316 5,178,810 14,269,565 6,531,626 Connected with food and drink, 24,207,742 &с. 565,840 3,633,025 33,760,511 Clothing and textile fabrics, &c. 12.808.006 230.965 6,429,313 23,617,447 Books, paper, printing, &c. .. 2,599,003 107,588 2,454,599 7,257,455 Musical instruments. &c. 105.628 277,009 128.486 2,196 . . Arms and explosives 180.450 87.155 338.247 8.010 . . Vehicles, saddlery, harness, &c. 1,237,113 38,599 1,224,380 3.107.636 Ship and boat building and repairing 34,031 5.319 89,340 143,065 . . Furniture. upholstery, and bedding 1.197.336 22.673777.843 2.477.891. . Drugs, chemicals, and byproducts 1.585.81166.976 521.098 2.692.327Surgical and other scientific instruments 28,891 1.109 29,438 80,139 . . Jewellery, time-pieces, and plated-ware 232.8537,289 187,029 545,827 . . • • Heat, light, and power 1.276.479 647,370 1,403,295 5,247,611 . . Leatherware. n.e.i. 369,345 1,068,789 5,107 158.593 645.642 . . Minor wares, n.e.i. 91.576 558.852 1.959.497 . • Total 62,217,874 2.803.239 27,472,084 113.921.927 . .

FACTORY COSTS AND OUTPUT, 1923-24.

The difference between the sum of the first three columns and the last column represents the amount available for miscellaneous expenses, interest, and profit. The proportions which[•] this margin and the chief items of the cost of production bear to the total value

of production in each class of industry are shown in the following table :---

	Percentage of Costs, &c., on Total Value of Production.					
Class of Industry.	Materials.	Fuel, Light, &c.	Wages.	All other Expendi- ture, Interest, and Profit.		
Treating raw material, product of pastoral pursuits, &c Treating oils and fats, animal, vege-	74.1	1.8	13.4	10.7		
table, &c.	61.9	3.2	14.6	20.3		
Processes in stone, clay, glass, &c.	18.7	13.2	38.9	$29 \cdot 2$		
Working in wood	42.1	0.7	34.5	$22 \cdot 7$		
Metal works, machinery, &c.	45.8	$2 \cdot 2$	36.3	15.7		
Connected with food and drink, &c	71.7	1.7	10.8	15.8		
Clothing and textile fabrics, &c.	54.2	1.0	27.2	17.6		
Books, paper, printing; &c.	35.8	1.5	33 · 8	28.9		
Musical instruments, &c	46.4	0.8	38.1	14.7		
Arms and explosives	53.3	2.4	25.8	18.5		
Vehicles, saddlery, harness, &c.	39.8	$1 \cdot 2$	39.4	19.6		
Ship and boat building and repairing	23.8	3.7	62.5	10.0		
Furniture, upholstery, and bedding	48.3	0.8	31 • 4	19.4		
Drugs, chemicals, and by-products	58.9	$2 \cdot 5$	19.4	19.2		
Surgical and other scientific instru-			5. T			
$\mathrm{ments} \dots \dots \dots \dots \dots \dots$	$36 \cdot 1$	1•4	36.7	25.8		
Jewellery, time-pieces, and plated-						
ware	42.7	1.3	34.3	21.7		
Heat, light, and power	. 24.3	$12 \cdot 3$	26.8	36.6		
Leatherware, n.e.i	$57 \cdot 2$	0.8	24.6	17.4		
Minor wares, n.e.i.	54.5	4.7	28.5	12.3		
Total	54.6	2.5	24 · 1	18.8		

PROPORTIONATE VALUE OF COSTS, ETC., TO PRODUCTION IN FACTORIES, 1923-24.

There are considerable variations in the proportions which the cost of materials and the expenditure on wages bear to the value of the output in the different classes of industries. These are, of course, due to the difference in the treatment required to present the raw material in its manufactured form. Thus in brickworks, &c., the sum paid in wages represents 39 per cent. and the cost of raw materials 19 per cent. of the value of the finished article, whilst in the industries connected with food and drink the expenditure on wages amounts to 11 per cent. and that on raw materials to over 72 per cent. of the value of the output.

Cost of Froduction, In the next table the cost of production, the value of **the output of factories**, and the balance available for **1923-24**. profit and miscellaneous expenses are compared for the years 1914 to 1923-24 :---

COST OF PRODUCTION AND VALUE OF OUTPUT OF FACTORIES, 1914 TO 1923-24.

Year.		Materials.	Fuel, Light, and Power.	Salaries and Wages.	All other Expenditure, Interest, and Profit.	Total Value of Output.
		£	£	£	£	£
1914		28,986,694	804,325	11,099,940	8,549,026	49,439,985
1915	· · ·	30,728,743	834,966	11,036,345	8,866,039	51,466,093
1916 - 17		37,103,750	1,024,156	11,833,517	10,085,861	60,047,284
1917-18		42,133,636	1,248,186	12,502,601	11,182,292	67,066,715
1918-19		52,098,737	1,457,124	14,080,403	12,559,413	80,195,677
1919 - 20		65,563,104	1,723,220	17,702,173	16,486,866	101,475,363
1920-21		65,401,425	2,184,096	21,377,216	17,045,557	106,008,294
1921–22 ·	••	60,352,561	2,329,760	23,846,495	19,714,365	106,243,181
1922 - 23	• • •	62,658,163	2,443,681	25,547,192	20,637,307	111,286,343
1923 - 24	·	62.217.874	2,803,239	27,472,084	21,428,730	113,921,927

These figures are reduced in the appended statement to their proportionate value of the total output.

PROPORTION OF OUTLAY TO OUTPUT OF FACTORIES, 1914 to 1923-24.

		Proportion of Outlay to Output.				
Year.		Materials.	Fuel, Light, and Power.	Salaries and Wag e s.	Other Expenditure, Interest, and Profit.	Total.
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	· · · · · · · · · · · · ·	$\begin{array}{c} \% \\ 58 \cdot 6 \\ 59 \cdot 7 \\ 61 \cdot 8 \\ 62 \cdot 8 \\ 65 \cdot 0 \\ 64 \cdot 6 \\ 61 \cdot 7 \\ 56 \cdot 8 \\ 56 \cdot 3 \\ 54 \cdot 6 \end{array}$	$ \begin{array}{r} & & & \\ & 1 \cdot 6 \\ & 1 \cdot 6 \\ & 1 \cdot 7 \\ & 1 \cdot 9 \\ & 1 \cdot 8 \\ & 1 \cdot 7 \\ & 2 \cdot 0 \\ & 2 \cdot 2 \\ & 2 \cdot 2 \\ & 2 \cdot 5 \end{array} $	$ \begin{array}{c} \% \\ 22 \cdot 5 \\ 21 \cdot 5 \\ 19 \cdot 7 \\ 18 \cdot 6 \\ 17 \cdot 5 \\ 17 \cdot 4 \\ 20 \cdot 2 \\ 22 \cdot 4 \\ 23 \cdot 0 \\ 24 \cdot 1 \end{array} $	$\% \\ 17 \cdot 3 \\ 17 \cdot 2 \\ 16 \cdot 8 \\ 16 \cdot 7 \\ 15 \cdot 7 \\ 16 \cdot 3 \\ 16 \cdot 1 \\ 18 \cdot 6 \\ 18 \cdot 5 \\ 18 \cdot 8 \\ 18 \cdot 8$	% 100 · 0 100 · 0

The ratio of salaries and wages to the value of the output of factories was 21.5 per cent. on the average of the last five years, as against 19.7

per cent. in the period 1914 to 1918–19. The cost of materials was $58 \cdot 7$ per cent. of the value of output in the period 1919–20 to 1923–24, as compared with 62 $\cdot 0$ per cent. in the years 1914 to 1918–19. The proportionate outlay on fuel, light, and power has remained fairly uniform during the past ten years. The balance available for miscellaneous expenses, rent, interest, and manufacturers' profit was £17 13s. 8d. in every £100 of the total output value in the period 1919–20 to 1923–24, as compared with £16 12s. 6d. in the preceding five-year period.

Capital invested in manufacturing premises. In the following statement the amount of capital invested in machinery and plant and land and buildings used in connexion with the various classes of manufacturing industries is shown for the year 1923-24 :---

MACHINERY, PLANT, LAND AND BUILDINGS USED IN MANUFACTURING INDUSTRIES, 1923-24.

	Machinery and Plant.	Value of Land and Buildings.
Tracting now material moderate of material	£	£
Treating raw material, product of pastoral pursuits, &c.	731,375	837,710
The start is a sile and fate and the large start has been	254,785	190,255
Decourses in stong along along the	1,095,840	926,520
Working in wood	1,035,040	932,720
Metal works, machinery, &c	3,060,945	2.912.680
Connected with food and drink, &c	4,985,775	4,970,855
Clothing and textile fabrics, &c.	3,816,925	5,687,050
Books, paper, printing, &c.	2,426,590	2,087,480
Musical instruments, &c.	34,360	117,235
Arms and explosives	218,775	204,480
Vehicles, saddlery, harness, &c.	323,390	1,299,240
Ship and boat building and repairing	102,530	232,275
Furniture, upholstery, and bedding	185,920	822,185
Drugs, chemicals, and by-products	600,380	640,095
Surgical and other scientific instruments	13,640	52,055
Jewellery, time-pieces, and plated-ware	68,460	235,520
Heat, light, and power	8,363,465	2,086,885
Leatherware, n.e.i	50,045	156,900
Minor wares, n.e.i	685,940	580,420
Total	28,223,915	24,972,560

The capital invested in plant, buildings, &c., used in connexion with three classes of industries—food and drink; clothing and textile fabrics; and heat, light and power—amounted, in the year under review, to £29,910,955, or more than one-half of the total for all manufacturing industries.

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The values of machinery and plant and of land and buildings used in connexion with manufacturing industries are shown in the next table for the years 1914 to 1923-24 :---

1997 - 19		Yea	ır.			Value of Machinery and Plant.	Value of Land and Buildings.
						£	£
1914		••	••		•••	10,727,526	11,248,120
1915			••			11,068,949	11,460,123
1916-17		••			•••	11,732,062	12,052,227
1917-18						12,612,797	12,847,485
1918-19						13,645,220	13,673,515
1919-20						15,846,935	14,957,585
1920-21						18,179,385	17,313,350
1921-22		·		••		21,182,110	19.810.170
1922 - 23	••					23,994,715	22,428,525
1923-24						28,223,915	24,972,560

MACHINERY, PLANT, LAND AND BUILDINGS USED IN MANUFACTURING INDUSTRIES, 1914 to 1923-24.

It will be seen from these figures that the values of machinery and plant and land and buildings more than doubled between 1914 and 1923-24.

Accidents in factories is given for the last ten years. The particulars in the table relate to establishments which came within the scope of the Factories Acts in force in the years specified, and not to those classified for statistical purposes in the preceding tables.

The large increase shown in the number of accidents since 1919 is mainly attributable to an amendment of the law, which made compulsory the reporting of accidents. Previously, only those of a serious nature were reported.

Year.		Year. Number of Employees.		Number of Accidents.	Percentage of Accidents to Number of Employees.
1914			110,660	391	•353
1915	••		91,888	464	•505
1916	••		92,320	503	•544
1917	••		97,561	442	·453
1918			104.242	459	•440
1919			116,369	362	.311
1920			116,846	862	737
1921	••		117,633	830	·705
1922			126,630	787	·621
1923			128,915	1.034	.802

ACCIDENTS IN FACTORIES, 1914 to 1923.

The foregoing tables do not include particulars relating to Manufactures work of various kinds done by the Penal Department at Penal Department. Pentridge. At this establishment the manufacture of clothing, brushware, boots, mats, blankets, flannel, underclothing, bread, &c., and printing are carried on. The estimated value of the output for 1923-24 was £38,735, and of the materials used, £26,848. The articles produced are used principally by Government Departments.

Value of Victorian production.

The value of all articles produced or manufactured in Victoria has been compiled from actual returns or estimates in the office of the Government Statist, and the results are set forth in the following table :--

VALUE OF VICTORIAN PRODUCTION, 1919-20 to 1923-24.

		· · · ·			
			Value in—		
Produce.	1919-20.	1920-21.	1921-22.	1922-23.	1923–24.
					· .
	·				
Cultivation.	£	£	£	£	£
Wheat	5,726,667	14.307.377	10,509,945	8,031,875	8,189,069
0.4.	1,848,903	1,295,229	931,346	1,416,355	1,455,331
			221,757	298,792	195,545
Barley, malting	304,377	263,963		137,445	66,665
", other	173,196	183,389	179,843		253,276
Maize	336,920	186,529	194,358	205,314	
Other Cereals	58,207	49,532	66,537	75,553	71,173
Grass and Clover					
Seed	5,606	8,570	6,113	3,537	3,880
Potatoes	1,328,640	586,458	555,111	1,040,662	701,229
Onions	274,375	131,104	157,930	139,888	215,444
Other Root Crops	14,148	13.151	11,259	11,800	15,032
Hay	8,304,475	5.259.863	4,413,091	6,327,338	5,229,162
Strong T	68,893	75.015	66,164	76,644	66,677
Green Forage*	449.010	397,620	447.050	512,255	536,855
Tobacco	16,240	3,800	24,160	35,600	41,880
Grapes, not made	10,210	0,000	<u> </u>	00,000	11,000
	1		1. Sec. 1. Sec		
into wine, raisins,	40.00	01 010	39,978	71,793	45,589
&c	42,025	21,010		132,308	27,420
Raisins, ordinary	138,899	84,533	125,154		
,, sultanas	494,037	263,772	445,319	555,059	122,775
Currants	139,153	157,298	187,605	171,642	57,027
Wine	347,370	333,346	166,883	171,749	217,713
Hops	10,365	14,988	22,650	23,195	29,772
Other Crops	71,859	57,027	68,536	81,447	104,066
Fruit grown for sale		-			
in orchards and					
gardens	1,274,715	1.054.491	1,184,069	1,172,325	1,193,689
Fruit in private	-,-12,110	-,		, _ ,-=-	
orchards and gar-			ŀ		
dens	13.810	15,250	12,660	10,670	10,505
			500,640	493,780	810,600
Market Gardens	442,155	447,035	500,040	=00,100	010,000
(The test	01.004.047	or 100 9r0	00 599 159	21,197,026	19,660,374
Total	21,884,045	25,190,350	20,538,158	21,191,020	10,000,014
	1	<u> </u>	<u> </u>	L	I

* Exclusive of area under sown grasses.

VALUE OF VICTORIAN PRODUCTION, 1919-20 TO 1923-24-continued.

Produce.			Value in—		
	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.
Dairying and Pastoral.	£	£	.£	£	£
Milk consumed in natural state Butter made	2,424,05 0 4,945,4 80	2,622,010 7,043,950	2,027,040 5,127,570	1,995,280 6,660,600	2,130,345 6,491,310
Cheese made Cream made (not for butter) Condensed, Concen-	344,210 32,970	189,070 76,560	203,620 80,130	163,180 127,530	253,795 177,090
trated, and Powdered Milk Horses	1,516,000		$2,074,620 \\71,800$	1,434,720 	1,509,400
Cattle Pigs Sheep (without wool) Wool	4,856,100 2,782,290 1,139,960	1,250,680 1,750,220	3,099,300 1,277,730 1,991,600	3,384,270 1,280,040 3,752,260	1,413,310 1,507,600 2,600,450
Total	7,908,010 25,949,070	4,729,400 24,816,620	4,662,750 20,616,160	6,380,600 25,178,480	7,695,000 23,778,300
Mining.					2
Gold Coal Stone from Quarries (in-	575,260 406,620		443,938 634,397	453,962 695,430	$\begin{array}{r} 405,245 \\ 563,289 \end{array}$
cluding limestone) Other Metals and Minerals	300,100		434,520	468,468 48,021	518,064 45,829
Minerals	48,150 1,330,130	46,755	30,299 1,543,154	1,665,881	1,532,427
Forest Produce.					
Timber (Forest Saw- mills only) Firewood (estimated) Bark for Tanning	693,995 790,140 153,260	905,720 923,200 125,830	896,070 918,550 138,520	946,930 927,860 136,830	$942,480 \\ 1,033,700 \\ 130,660$
Total	1,637,395	1,954,750	1,953,140	2,011,620	2,106,840
Miscellaneous.					
Honey and Beeswax Poultry production (es-	35,930	1 -	48,075	40,122	45,559
timated) Rabbits and Hares Fish	3,579,230 913,220 181,760	401.690	4,406,750 238,632 149,400	4,315,810 266,478 160,151	$4,587,560\ 310,930\ 161,905$
Total	4,710,140	5,159,996	4,842,857	4,782,561	5,105,954
Total Value of Primary Products	55,510,780	58,729,361	49,493,469	54,835,568	52,183,895
Added Value*		38,330,232	43,592,856	46,355,804	49,141,526
Grand Total	89,769,840	97,059,593	93,086,325	10 1,191,372	101,325,421

• Exclusive of value of output of butter and cheese factories, and forest saw-mills (as regards Victorian timber), which is included above under the headings "Dairying and Pastoral" and "Forest Produce," respectively.

The value of primary production was less in the year 1923-24 than in the preceding year, the most noticeable decrease being shown in "Cultivation" and "Dairying and Pastoral." There has been a marked improvement in the value of forest produce in recent

years, this having advanced from £912,950 in 1914 to £2,106,840 in 1923-24.

The total value of primary production in 1923-24 was £52,183,895, and that of manufactures (added value) was £49.141,526. The former was less by £2,651,673, and the latter greater by £2,785,722, than the corresponding values in the preceding year.

The values of different kinds of production per head of the total population in each of the last five years were as follows :---

VALUE OF PRODUCTION PER HEAD OF POPULATION, 1919-20 to 1923-24.

		Value of	Produce per	coduce per head in-				
Produce.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.			
Cultivation Dairying and Pastoral Mining Forest Miscellaneous	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$			
Total Primary Production Manufactures Grand Total	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	34 9 8 29 3 0 63 12 8	32 2 1 30 4 8 62 6 9			

The figures show the steadily increasing importance of the manufacturing industries. Relatively to population, the amount added in the process of manufacture to the value of the raw materials used was 32 per cent. higher in 1923-24 than in 1919-20.