CHAPTER XVII.

PASTORAL PRODUCTION.

§ 1. Initiation and Growth of Pastoral Industry.

1. Early Statistics.—In earlier issues of the Year Book will be found a brief reference to the pastoral industry in Australia prior to the year 1860. (See Year Book No. 6 page 330.)

2. Subsequent Statistics.—While the statistical records of live stock in Australia prior to the year 1860 are somewhat defective, from that year onwards fairly complete particulars are available for most of the States. At the present time, statistics of live stock are collected annually in all the States principally through the agency of the police, but in the years 1885 to 1888 inclusive, and 1893 to 1895 inclusive, these particulars were not collected in South Australia, and similar gaps occur in the Victorian records for the periods 1895 to 1899 inclusive, and 1901 to 1903. In order to obtain totals for Australia for these years the missing numbers have been supplied by interpolation. The results so obtained probably differ but slightly from the actual numbers for the respective years.

3. Increase in Live Stock.—Particulars concerning the numbers of each of the principal kinds of live stock in Australia at decennial intervals from 1860 to 1920, and from 1926 onwards in single years, are given in the following table, and are shown continuously in the graphs hereinafter.

During the seventy-one years covered by the table the live stock of Australia increased considerably, horses 311 per cent., cattle 210 per cent., sheep 449 per cent., and pigs 233 per cent. The average annual increases which these aggregates represent are as follow :—Horses, 2.01 per cent.; cattle, 1.61 per cent.; sheep, 2.43 per cent. ; and pigs, 1.71 per cent.

	31st De	cember.		Horses.	Cattle.	Sheep.(a)	Pigs.
1860		••		431,525	3,957,915	20,135,286	351,096
1870				716,772	4,276,326	41,593,612	543,388
1880	••	••		1,068,774	7,527,142	62,184,252	815,776
1890		••		1,521,598	10,299,816	97,881,221	891,138
1900	••	••	••	1,609,654	8,640,225	70,602,995	950,349
1910	••			2,165,866	11,744,714	98,066,046	1,025,850
1920	••	••	••	2,415,510	13,499,737	81,795,727	764,406
1926	••	••		2,122,516	11,963,278	104,267,101	989,009
1927 .	• •	••		2,040,691	11,617,056	100,827,476	878,207
1928				1,942,753	11,300,757	103,430,773	910,181
1929	••	••		1,845,614	11,202,134	104,558,342	1,018,324
1930				1,792,734	11,720,916	110,568,279	1,071,679
1931	••	••		1,775,550	12,260,955	110,618,893	1,167,845
			j		<u>i </u>		<u> </u>

LIVE STOCK .--- AUSTRALIA.

(a) See note to Table in § 4, 2 hereinafter.

4. Fluctuations.—The increases referred to, however, have not been continuous, marked fluctuations having taken place during the period, mainly on account of the droughts which have from time to time left their impress on the pastoral history of

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Australia. These were in evidence in 1868, 1877, 1883-4, 1892, 1893, 1895, 1901-2, 1912, 1914-15, 1918, 1919, 1922-23, 1925-26, and 1927-28. In the latter years Central and Northern Queensland experienced one of the driest periods on record with a heavy mortality of stock.

The years in which the numbers of live stock attained their maxima are as follow :—Horses, 1918, 2,527,149; cattle, 1921, 14,441,309; sheep, 1931, 110,618,893; and pigs, 1917, 1,169,365.

5. Live Stock in Relation to Population.—The number of each kind of live stock per head of the population of Australia has varied during the past seventy-one years in the manner shown in the succeeding table :—

Year.		Horses.	Cattle.	Sheep.	Pigs.	Year	•	Horses.	Cattle.	Sheep.	Pigs.
1860 1870 1880 1890 1900 1910	··· ··· ···	0.38 0.43 0.48 0.48 0.48 0.43 0.49	3.45 2.60 3.37 3.17 2.29 2.65	17.58 25.24 27.87 31.06 18.75 22.16	0.31 0.33 0.37 0.28 0.25 0.23	1920 1927 1928 1929 1930 1931	····	0.44 0.33 0.31 0.29 0.28 0.27	2.49 1.86 1.78 1.75 1.81 1.88	15.11 16.14 16.32 16.30 17.07 16.95	Q.14 0.14 0.14 0.16 0.17 0.18

LIVE STOCK PER HEAD OF POPULATION.—AUSTRALIA.

6. Live Stock in Relation to Area.—The numbers of live stock per square mile in the several States and Territories of Australia are given in the following table :—

States and	d Territories	Horses.	Cattle.	Sheep.	Pigs.	
New South Wales Victoria Queensland South Australia Western Australia Tasmania Northern Territory	· · · · · · · · · · ·	 ··· ·· ·· ··	1.70 4.27 0.70 0.49 0.16 1.17 0.06	9.67 18.63 8.28 0.70 0.85 8.87 1.43	171.24 186.33 33.29 17.39 10.35 76.75 0.04	1.25 3.26 0.33 0.29 0.12 1.58 0.00
Federal Capital Territor	у	 ••	0.98 	5.74 	206.80 	0.11

LIVE STOCK PER SQUARE MILE, 1931.

7. Minor Classes of Live Stock.—The numbers of minor classes of live stock returned for 1931 were as follow :—Goats, 142,074; camels, 5,404; mules and donkeys, 14,379; and ostriches, 88. Of these, goats were most numerous in Queensland; camels, mules and donkeys in Western Australia; and ostriches in South Australia. In the raising of goats, attention has in recent years been devoted to the angora goat and its product (mohair), and 6,091 angora goats are included in the total of 142,074 goats shown above. Of these, 2,213 were in New South Wales, 782 in Tasmania, 456 in Western Australia, 950 in South Australia, and 1,683 in Queensland, while the quantity of mohair produced in the latter State in 1931 was set down at 972 lbs., and the number of skins placed on the market was returned as 145.

8. Net Exports of Principal Pastoral Products.—The quantities by which the exports of the principal pastoral products of Australia exceeded the imports for the years 1927-28 to 1931-32 were as follow :—

Products.	Unit of Quan- tity.	1927–28.	1928-29.	1929-30.	1930–31.	1931-32.
		QUAN	TITIES.			
Animals (living)-	1	1	1	1		1
Cattle	No.	11,131	8,452	6,191	174	331
Horses		5,627	5,356	5,969	4,926	4,771
Sheep		30,871		38,764	26,071	47,131
Bones	cwt.	14,486	14,060	10,503	12,238	9,416
Glue-pieces and Sinews		-13,469	-18,420	- 20,176		186
Glycerine	lb.	-571,266	- 388,800	-703,682	-254,290	13,575
Hair	,,	(a)	(a)	(a)	126,712	74,445
Hoofs	cwt.	13,543	9,852	11,273	(a)	(a)
Horns		(a)	(a)	(a)	' (a)	(a)
Meats-			1			
Frozen Beef	lb.	169,094,472		156,748,365		165,871,501
Frozen Mutton and Lamb	,,	46,359,146	84,905,335		109,252,956	165,281,142
Frozen Rabbits and Hares	pair	3,433,098	3,598,075	3,873.337	(a)	(a)
Frozen, Other	l lb.	7,592,372	7,127,553	6,115,445	6,920,925	8,061,876
Potted, and Extract of		(a)	(a)	(a)	(a)	(a)
Preserved in Tins, etc	lb.	3,760,147	3,168,759	3,381,248	4,265,578	5,258,749
Other (excluding Bacon			1		ł	
and Ham)	,,,	322,117	447,495	434,050	344,712	277,562
Sausage Casings	cwt.	22,714	31,489	30,984	8,976	11,562
Skins-						
Hides	No.	1,034,317	816,980	702,135	(a)	(a)
Sheep	,,,	11,315,072	11,026,291	12,944,781	(a)	(a)
Rabbit and Hare	cwt.	112,547	100,655	77,566	63,348	69,774
Other (including Undressed					· . ·	
Furs)	··;	(a)	(a)	(a)	(a)	(a)
Tallow	cwt.	648,592	768,314	592,231	484,762	768,511
Wool-			1	10-0-0-0		
Greasy	lb.	082,913,332	759,443,979	090,578,126	767,050,003	772,804,985
Scoured	,,	55,397,621	46,019,059		43,685,080	55,708,642
Tops	,,	2,559,159	872,774	552,152	1,033,823	2,170,330

NET EXPORTS OF PASTORAL PRODUCTS .-- AUSTRALIA.

NOTE.—The minus sign

 signifies net imports. (a) Quantity not available.

The values of the net exports for the same five years are furnished in the next table, and amount to no less a total than £287,458,566 for the period, or an average of £57,491,713 per annum, of which wool represents 78.98 per cent. Meat, skins, and tallow rank next in order of importance.

NET EXPORTS OF PASTORAL PRODUCTS.—AUSTRALIA.

Products	3.		1927-28.	1928-29.	1929-30.	1930-31.	1931-32.
·····			VALUE	s.(a)			
Animals (living)-		•••	£	£	£	£	£
Cattle	••		41,352	21,205	- 19,814	- 7,788	- 5,673
Horses	••		65,285	79,257	85,178	105,254	100,935
Sheep	••	••	40,512	43,447	35,681	3,346	8,496
Bones	••	••	8,932	10,775	8,015	8,702	6,725
Glue-pieces and Sinews		••	- 2,503	-6,956	- I3,577	-13,232	1,610
Glycerine	••	••	-15,097	-6,809	-15,167	-3,119	4,691
Hair	••	••	-43,054	- 35,660	-47,591	-9,209	- 24,966
Hoofs	••	••	7,826	6,162	7,128	4,412	4,750
Horns	••	• •	25,488	24,385	22,626	18,164	14,815
Meats-							
Frozen Beef		••	2,377,871	2,888,284	2,569,782	2,235,526	2,087,812
Frozen Mutton and L		••	1,188,388	2,165,321	2,386,175	2,105,956	2,994,056
Frozen Rabbits and I	Hares	••	309,149	331,456	339,917	412,845	478,946
Frozen, Other		••	142,475	180,422	152,319	149,643	151,793
Potted, and Extract of		••	- 60,662	- 76,328	- 52,491	6,981	5,174
Preserved in Tins, etc		- • •	100,110	84,029	118,513	138,253	135,805
Other (excluding Ba	con and I	Ham)	6,243	11,086	8,695	7,490	6,098
Sausage Casings	••		136,567	144,063	245,246	159,913	56,701
Skins-							
Hides	••	••	1,401,029	886,430	459,192	517,132	62,762
Sheep	••	••	4,385,138	4,526,170	3,123,282	1,945,064	1,097,816
Rabbit and Hare	••	. ••	2,490,709	2,624,253	1,507,142	557,207	477,476
Other (including Und	ressed Fu	rs)	831,042	277,477	586,842	175,095	304,696
Tallow	••	••	1,043,311	1,366,341	981,454	597,594	827,454
Wool-							
Greasy	••	••	58,295,914	55,592,624	32,775,631	29,294,646	28,883,940
Scoured	••	••	6,621,937	5,519,161	3,563,207	2,469,360	2,817,703
Tops	••	••	488,199	166,957	87,781	114,021	248,055
Noils (b)	••	••				30,814	44,520
Waste (b)	••	••				9,487	7,940
Total Values		••	79,886,161	76,823,552	48,915,166	41,033,557	40,800,130
NOTE.—The m	inus sign		ifies net impo ot available		a) Australian -31.	currency val	ues.

9. Value of Pastoral Production.—Details of the quantities and values of the items included in the value of pastoral production for the year 1931-32 are shown in the following table. The values quoted are the gross values in the metropolitan markets at port of shipment oversea. Complete data regarding production costs to permit of a determination of the net value of production in accordance with the resolutions of the Statistical Conference of 1924 and subsequent years are not yet available. The omission of the local consumption of rabbits (meat and skins) and other pastoral by-products, tends, however, to limit the exaggeration of the total gross value shown.

It	æm.				Quantity.	Value.
Wool Meats—		••		lb.	1,006,630,847	£ 35,073,500
Beef-						
Local Consumption (incl	uding	g Factories)		,,	607,887,486	8,714,067
Exports of Carcasses	`	••	••	,,	165,872,145	2,087 829
Mutton and Lamb-						
Local consumption (inclu	ading	; Factories)		,,	523 018,729	7,242,175
Exports of Carcasses		••		,,	165,281,336	2,994,062
Rabbits and Hares (Expor	t onl	y)	••	pair	7,891,880	478,946
Other Meats, frozen and ot		Export only)	••	••	(a)	159,053
Sausage Casings (Export of	nly)	••	••	cwt.	22,447	1 .2,365
Skins-					1 1	
Exports—						
Cattle and Calf	••	••	••	No.	318,505	216,647
Sheep	••	••	••	,,	9,277,611	257,460
Rabbit and Hare	••	••	••	cwt.	70,207	488,736
Other Furred	••	••	••	••	(a)	494,622
Other Skins	••	••	••	••	(a)	4,436
Consumption in Factories	••	••	••	••	(a)	1,670,148
Tallow-						<u>^</u>
Exports	••	••	••	cwt.	772,769	831,415
Local Consumption	• •	••	••	"	499,143	509,303
Hair, Horns, etc. (Export onl	y)	••	••	••		55,741
Net Exports of Live Stock	••	••	••	••		79,952
•						61,540,457

PASTORAL PRODUCTION.--AUSTRALIA, 1931-32.

(a) Not available.

10. Consumption of Meats.—Particulars of the per capita consumption of meat in Australia are shown in the following table, together with figures for certain other countries. The figures have in each case been obtained from official sources, although it is not definitely known that they are all on a similar basis.

While the average consumption in Australia is considerably below that of New Zealand, it is greatly in excess of that of Canada, Great Britain and the United States. Compared with Australia the consumption of beef, mutton and lamb in these countries is relatively small, but pork consumption is greatly in excess of the average recorded both for Australia and New Zealand. The consumption of beef in North America and on the Continent of Europe has shown a downward tendency of recent years while, the figures for pork and mutton have increased considerably.

Description.		Australia, 1931–32.	New Zealand, (d).	Great Britain, 1931.	Canada, 1932.	United States of America, 1931.	
Beef and Veal futton and Lamb fork		lb. 92.54 79.94 6.68	lb. 146.28 77.30 13.72	lb. 66.50 31.00 (b) 47.50	lb. 56.02 6.97 91.79	lb. 56.50 7.10 (c) 69.60	
Total • Bacon and Ham	 	179.16 10.68	237.30 12.83	145.00 (a)	154.78 (a)	133.20 (<i>a</i>)	
Total All Meats		189.84	250.13	145.00	154.78	(c)133.20	
(a) Probably included	with]	Pork.	(b) Includi	ing Lard.	(c) Ex(Juding Lard.	

MEATS.-PER CAPITA CONSUMPTION, AUSTRALIA AND OTHER COUNTRIES.

(a) Probably included with Pork.(d) Average, three years ending 1930-31.

(b) Including Lard.

d. (c) Excluding Lard

§ 2. Horses.

r. Suitability of Australia for Horse-breeding.—From the earliest times the suitability of the climate and pastures of Australia for the production of serviceable breeds of horses has been fully recognized. By the importation of high-class sires, and the careful selection of breeding mares, these natural advantages have been utilized to the fullest extent in breeding all classes of horses. As a consequence of this combination of advantages, the Australian horse, whether of the heavy draught, medium weight, or light saddle and carriage variety, compares more than favourably with the product of other lands. The Australian horse is highly regarded by the military authorities in India, and large numbers are obtained annually for remount purposes. During the war, Australian horses were found to stand up well to requirements, especially in Palestine and Sinai, where the rigours of the desert campaign severely tested their powers of endurance.

2. Distribution throughout Australia.—The States of New South Wales, Queensland and Victoria together depasture more than 75 per cent. of the total number of horses in Australia. In the following table figures are given for each State, etc., for each of the last five years :—

Year.	N.S.W.	Vic.	Q'land.	S. Aust.	W. Aust.	Tas.	N.T.	F.C.T.	Total.
1927 1928 1929 1930 1931	a534,945 a524,512	412,867 393,015	522,490 500,104 480,970	205,865 189,054 183,529		34,908 34,336 32,700	37,452 33,703 33,363	a 924 a 929 a 815	2,040,691 1,942,753 1,845,614 1,792,734 1,775,550

HORSES.—NUMBER.

(a) 30th June year following.

The number of horses attained its maximum in Australia during 1918, when a total of 2,527,149 was recorded. Since that date, however, a general decline has been experienced, and the number for 1931 is the lowest returned since 1906. The numbers of horses in Australia and in the United States of America reached their maximum in 1918, while in Canada the highest total was recorded in 1921. The decline in each country since that year up to the latest available date amounted to 30, 41 and 13 per cent.

HORSES.

respectively. In Argentina on the other hand, a slight increase was recorded in 1930 over the numbers ascertained at the previous census of 1922. The rapid development of motor transport coupled with the use of petrol-driven cultivating and other machinery on farms brought about the decreases alluded to. In Australia, however, there has recently been a tendency to revert to the horse not only on the farm, but to some extent for the transport of goods in the cities. Confirmation of this fact is afforded by increases in 1932 in South and Western Australia of 5,000 and 1,000, respectively.

The number of horses in Australia from 1860 onwards, may be ascertained from the graph herein.

3. Proportions in the Several States and Territories.—The percentages of the number of horses in the several States and Territories on the total for Australia for the year 1931 were :—New South Wales, 29.55; Victoria, 21.15; Queensland, 26.39; South Australia, 10.43; Western Australia, 8.81; Tasmania, 1.73; Northern Territory 1.89; and Federal Capital Territory, 0.05 per cent.

The percentages in the various States have remained practically constant during the last quinquennium.

4. Relation to Population.—In proportion to population, horses are much more numerous in the Northern Territory than in any other of the principal divisions of Australia. Queensland is next in order, while Tasmania has the smallest number of horses per head. The number per head of population has declined in all the statistical divisions since 1927. For the year 1931 the relative numbers were :—New South Wales, 0.21; Victoria, 0.21; Queensland, 0.49; South Australia, 0.32; Western Australia, 0.37; Tasmania, 0.14; Northern Territory, 7.50; Federal Capital Territory, 0.11; Commonwealth, 0.27.

5. Comparison with other Countries.—The number of horses in some of the leading horse-breeding countries of the world, according to the latest available returns, is as follows :—

Country.	Date.	Number of Horses (,000 omitted).	· Country.	Date.	Number of Horses (,000 omitted).
Soviet Republics	1930	30.237	Dutch East Indies	1931	655
U.S. of America	1931	12.679	Uruguay	1930	613
Argentine Republic	1930	9,858	Lithuania	1931	597
Brazil	1920	5,254	Spain	1931	563
Poland	1931	4,124	Denmark	1931	499
Germany	1931	3,451	Bulgaria	1926	482
Canada	1931	3,129	Turkey	1931	481
France	1931	2,920	Irish Free State	1931	450
India (British and			Chile	1930	441
(Native)	1931	2,355	Peru	1929	432
Rumania	1931	1,988	Bolivia	1931	390
Australia	1931	1,778	Latvia	1931	366
Japan	1930	1,490	Finland	1930	357
United Kingdom	1931	1,194	Haiti	1931	350
Yugoslavia	1931	1,169	Philippine Islands	1929	341
Mexico	1926	1,036	Greece	1931	325
Italy	1930	967	Siam	1931	303
Colombia	1929	929	Netherlands	1930	299
Hungary	1931	865	New Zealand	1931	296
Union of South Africa	1930	856	Belgium	1931	242
Cuba	1929	758	Paraguay	1927	210
Czechoslovakia	1930	748	French Morocco	1931	207
Sweden	1931	656	Estonia	1931	207

HORSES .- NUMBER IN PRINCIPAL COUNTRIES.

6. World's Totals.—Several countries do not issue annual statistics of live stock, the information available consisting of censuses or estimates made at varying intervals. It is not possible, therefore, to give world aggregates for the different classes of stock year by year, nor to make a satisfactory comparison between the totals for consecutive years. In order, however, to give some idea of the latest position as regards live stock and the changes that have taken place as compared with pre-war years, the following information has been taken from the Year Book of the International Institute of Agriculture. The list of countries included is fairly complete, but China, which possesses large numbers of horses, is omitted, as also are certain parts of Asiatic Russia, together with a few other countries. While for some countries the figures are the result of careful enumeration, for others they are merely approximations. The totals, therefore, can be regarded as a general indication only of the position at the dates shown. The figures for horses are as follow :—

Continents,	otc			t the date est—	Increase (+) or Decrease (-) in 1927.		
			1913.	1927.	Actual Figures.	Percentages.	
Europe (excluding Sovie Union of Socialist Sovie North and Central Ame South America Asia (excluding Soviet H Africa Oceania	t Republics ´ rica 	· · · · · · · · · · · · · · · · · · ·	,000 22,698 35,522 26,134 18,162 4,914 1,692 2,976	,000 22,863 31,258 20,465 17,653 5,394 2,079 2,445	$\begin{vmatrix} ,000 \\ + & 165 \\ - & 4,264 \\ - & 5,669 \\ - & 509 \\ + & 480 \\ + & 387 \\ - & 531 \end{vmatrix}$	$ \begin{array}{c} $	
Total		·	112,098	102,157	- 9,941	- 8.9	

HORSES.-WORLD'S TOTALS.

Compared with the pre-war totals reductions have taken place in all the continents, with the exception of Africa, where the number of horses is relatively insignificant. The greatest decrease occurred in North and Central America, viz. :--5,669,000, largely as the result of the decline in the United States.

7. Oversea Trade in Horses.—(i) Exports. Australia's export trade in horses has fluctuated considerably since the war, and is now far below that of earlier years. For instance, during the period 1901-5 the average number exported was over 18,000, whereas during the last five years the figure was under 6,000. The total number of horses exported during that period amounted to 27,881, valued at \$800,362, equal to an annual average of 5,576 for \$160,072. The average export price for the period was \$28 14s. zd. About 86 per cent. of the horses exported went to India, where they are largely used for remount purposes.

(ii) Imports. The number of horses imported into Australia is comparatively small, consisting mainly of valuable stud animals from the United Kingdom and race horses from New Zealand. The average value per head of the horses imported during the last five years was £297 10s. 3d. The average number imported per annum was, however, only 245, and the average annual value, £72,891. The following table gives the imports, exports, and net exports of horses during each of the years from 1927-28 to 1931-32:---

Year.		Imports.		Ex	ports.	Net Exports.		
		No.	Value.	No.	Value.	No.	Value.	
			£		£		£	
1927–28		300	87,065	5,936	152,350	5,636	65,285	
1928–29		339	95,025.	5,695	174,282	5,356	79,257	
1929-30		362	121,902	6,331	207,080	5,969	85,178	
1930–31 (a)		101	40,094	5,027	145,348	4,926	105,254	
1931–32 (a)		121	20,367	4,892	121,302	4,771	100,935	

HORSES.-IMPORTS AND EXPORTS, AUSTRALIA.

(a) Australian currency values.

§ 3. Cattle.

1. Purposes for which Raised.—In all the States, cattle-raising is carried out, the main object in certain districts being the production of stock suitable for slaughtering purposes, and in others the raising of profitable dairy herds. The great impetus which the development of the export trade in Australian butter gave to the dairying industry led to a considerable increase in numbers and improvement in quality of the dairy herds in Victoria, New South Wales, and Southern Queensland in particular, the portion of Australia in the temperate zone being the best adapted to this industry. On the other hand, beef-producing cattle are mainly raised in the tropical districts, *i.e.*, in the northern parts of Queensland, in the Northern Territory, and in the Kimberley district in the north of Western Australia.

2. Distribution throughout Australia.—Until 1880, New South Wales occupied the leading position as a cattle-raising State, but in that year Queensland took first place, which it has since maintained. The graph herewith shows a rapid increase in the number of cattle in Australia up to the year 1894, when 12,311,617 head were depastured. From 1895 onwards, however, the effects of droughts and the ravages of tick fever reduced the number to 7,062,742 in 1902. Following the disastrous drought which terminated in the latter year, the herds were gradually built up, and despite recurring droughts, they continued to increase in recent years until the maximum number of $14,\dot{4}41,309$ cattle was attained in 1921. The decline in the frozen beef trade and the droughts of 1922-23and 1925-26, which particularly affected the beef cattle areas of New South Wales and Queensland, were mainly responsible for the heavy decreases recorded in both these States during recent years. In 1931, however, an increase in the numbers of almost 500,000 was recorded, half of which was due to expansion in the dairy herds.

The number of cattle in the several States and Territories during each of the last five years is as follows :---

Year.	N.S.W.	Vic.	Q'land.	S. Aust.	W. Aust.	Tas.	Nor. Ter.	Fed. Cap. Ter.	Total.
1928 1929	a2,848,654 a2,784,615 a2,686,132 a2,840,473 2,993,586	1,327,077 1,304,426 1,335,242 1,429,920 1,637,530	5,225,804 5,128,341 5,208,588 5,463,724 5,550,399	316,314 263,016 204,516 218,985 265,324	846,735 837,527 836,646 812,844 826,532	210,894 208,812 214,643 230,254 232,444	835,390 768,751 711,607 720,476 749,745	a5,269 a4,760 a4,240	11,617,056 11,300,757 11,202,134 11,720,916 12,260,955

CATTLE.---NUMBER.

(a) 30th June year following.

Queensland contains within its borders nearly one half of the cattle of Australia. Despite decreases during recent years the percentage of cattle in Queesnland on the total for Australia amounted to 45.27 in 1931. The largest relative gain since 1927 occurred in Victoria followed by Queensland and Tasmania slight decreases were recorded in the remaining States. The percentage proportion in each of the States and Territories during 1931 was:—New South Wales, 24.42; Victoria, 13.36; Queensland, 45.27; South Australia, 2.16; Western Australia; 6.74; Tasmania, 1.90; Northern Territory, 6.11; Federal Capital Territory, 0.04.

3. Comparison with other Countries.—The following table shows the number of cattle in Australia, and in some of the principal cattle-raising countries of the world, at the latest available date :—

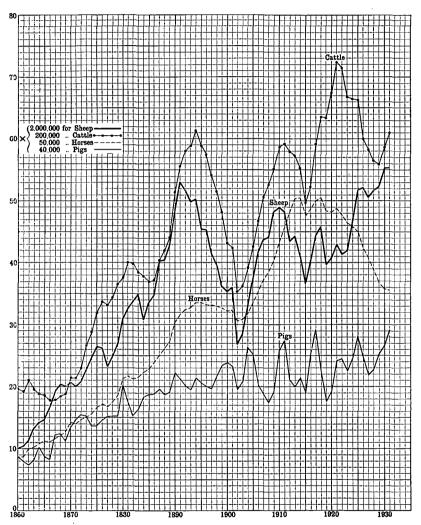
Country.	Date.	No. of Cattle (,000 omitted).	Country.	Date.	No. of Cattle (,000) omitted).
India (British and			Tanganyika Territory	1931	5,099
Native)	1930	159,763	Turkey	1931	4,869
U.S. of America	1931	62,407	Cuba	1929	4,865
Soviet Republics	1931	49,900	Siam	1931	4,774
Brazil	1920	34,271	Dutch East Indies	1931	4,681
Argentine Republic	1930	32,212	Czechoslovakia	1931	4,451
Germany	1931	19,124	New Zealand	1931	4,081
France	1931	15,434	Rumania	1931	4,079
Australia	1931	12,261	Irish Free State	1931	4,029
Union of South Africa	1930	10,574	Yugoslavia	1931	3,872
Poland	1931	9,786	Spain	1931	3,654
Canada!	1931	7,991	Denmark	1931	3,208
United Kingdom	1931	7,955	Sweden	1931	3,109
Colombia	1929	7,343	Rhodesia	1931	3,035
Uruguay	1930	7,128	Paraguay	1926	2,973
Madagascar	1930	7,048	Nigeria	1931	2,911
Italy	1930	6,893	Netherlands	1930	2,366
French Equatorial and			Austria	1930	2,313
West Africa	1931	5,629	Venezuela	1922	2,278
Mexico	1926	5,585	Bolivia	1931	2,064
Kenya	1930	5,192	Uganda	1931	2,064

CATTLE.-NUMBER IN VARIOUS COUNTRIES.

4. World's Totals.—The information in the appended table has been taken from the returns published by the International Institute of Agriculture at Rome. The figures given therein are subject to the limitations previously stated in respect to horses. (See § 2, 6 ante.)

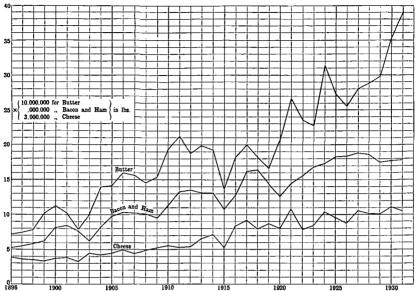
CATTLE.—WORLD'S TO	JГА	L.
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	Cont	inents.	etc			at the date est—	Increase $(+)$ or Decrease (-) in 1927.		
					1913.	1927.	Actual Figures.	Percentages.	
					,000	,000	,000	%	
Europe (••	98,764	100,339	+ 1,575	+ 1.6	
			t Republics	••	60,280	67,835	+ 7,555	+12.5	
North an		l Ame	rica	••	76,485	79,415	+ 2,930	+ 3.8	
South Ar	nerica		••		86,662	101,053	+ 14,391	+16.6	
Asia (exc	luding th	e U.S	.S.R.)	••	131,300	143,927	+ 12,627	+ 9.6	
Africa	•• •	••	••	••	34,537	51,270	+ 16,733	+48.4	
Oceania	••	••	••	••	13,859	15,476	+ 1,617	+11.7	
	Total	••	••	••	501,887	559,315	+ 57,428	+11.4	

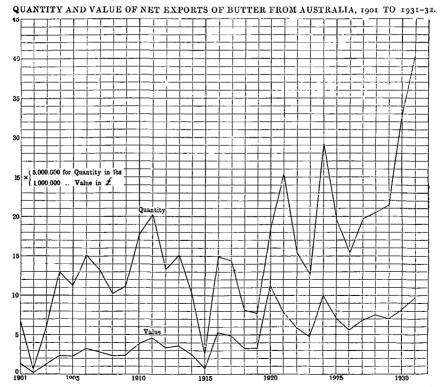


NUMBER OF HORSES, CATTLE, SHEEP, AND PIGS-AUSTRALIA, 1860 TO 1931.

EXPLANATION—The base of each small square represents an interval of one year and the vertical side 2,000,000 in the case of sheep, 200,000 for cattle, 50,000 for horses, and 40,000 for pigs.



PRODUCTION OF BUTTER, CHEESE, AND BACON AND HAM-AUSTRALIA, 1896 TO 1931-32.



EXPLANATION.—The base of each small rectangle represents an interval of one year, and the vertical height 5,000,000 lbs. in weight, or $\pounds_{1,000,000}$ in value.

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The number of cattle increased throughout the world since 1913, the most notable advances being in Africa and South America, where the numbers increased by more than 16 and 14 million head respectively since the pre-war year.

5. Imports and Exports of Cattle.-The products of the cattle-raising industry figure largely in the export trade of Australia, although the export of live cattle has never been large. The number of cattle imported is also small, consisting, as in the case of horses, mainly of valuable animals for stud purposes. Details are as follow :----

-		Impo	rts.	Exp	oorts.	Net Exports.		
Year.		No.	Value.	No.	Value.	No.	Value.	
			£		£		£	
1927–28		89	3,553	11,220	44,905	11,131	41,352	
1928-29		96	17,761	8,548	38,966	8,452	21,205	
1929-30	••	193	44,309	6,384	24,495	6,191	-19,814	
1930–31 (a)		81	11,368	355	3,580	274	- 7,788	
1931–32 (a)	••	40	8,543	371	2,870	331	- 5,673	

CATTLE .--- IMPORTS AND EXPORTS. AUSTRALIA.

(a) Australian currency values. Note.—The minus sign (-) signifies net imports.

The average value of the cattle imported during the last five years was £171 8s. 3d. per head, while the average value of the cattle exported during the same period was £4 5s. 5d. As previously stated, the imported cattle were required principally for stud purposes.

6. Cattle Slaughtered.—The number of cattle slaughtered during each of the years 1927 to 1931 is given hereunder :----

Year.	N.S.W. (a)	Victoria. (a)	Q'land.	S. Aust.	W. Aust.	Tas. (a)	N. Ter.	Fed. Cap. Ter. (a)	Total.
1928 7 1929 6 1930 5	594,527 778,994 580,316 594,950 530,372	387,662	739,995 685,196 630,620 648,473 540,649	142,557 127,627 117,806 89,585 81,285	101,146 100,982 91,195 95,021 91,748	36,249 36,264 35,278 27,338 28,565	1,854 2,065 1,531 1,844 1,844		2,188,862 2,199,778 1,946,551 1,786,600 1,751,192

CATTLE (INCLUDING CALVES) SLAUGHTERED.

for year ended 30th June of year followin

7. Production and Consumption of Beef.-The production of beef in Australia during the year 1931-32 was estimated at 773,760,000 lbs. The requirements of the local market absorbed 603,925,000 lbs., approximately 78 per cent., leaving a balance of 22 per cent., which was exported as frozen and canned beef. (See also \S I, IO ante.)

8. Export of Frozen Beef.-The export of frozen meat from Australia dates from about the year 1881, and since that year the trade in frozen beef has grown considerably. the quantities and values exported during the past five years being as follow, viz, :---1927-28, 169,098,425 lbs., £2,377,967; 1928-29, 189,090,357 lbs., £2,888,287; 1929-30, 156,748,665 lbs., £2,569,788; 1930-31, 155,630,647 lbs., £2,235,526, and 1931-32, 165,872,145 lbs., £2,087,829. (See Table § 1, No. 8.) The largest purchaser of Australian beef is the United Kingdom, which during the year 1931-32 took £1,598,010 worth. or about 76.5 per cent., of the total shipments. Other countries importing Australian beef were in order of importance Belgium, Egypt, Philippine Islands, Japan, Malaya (British), and Malta. These countries, together with the United Kingdom, accounted for 96.2 per cent. of the total exports.

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Australia's distance from the chief markets of the world up to the present has required that meat should be exported in a frozen condition and this has placed Australia at a disadvantage in competition with South American countries. The preference for chilled beef in the United Kingdom coupled with the embargoes on imports by former importing countries has adversely affected the development of the beef industry in Australia. An average annual export of approximately 170 million lbs. or 75,000 tons has nevertheless been maintained. Investigations are being conducted by the Council for Scientific and Industrial Research in Australia and the Low Temperature Research Station at Cambridge in England into the problem of chilling beef in a manner that will permit of its transport over long distances. The future progress of the industry in Australia would appear to depend upon the successful solution of this problem coupled with the forwarding of regular supplies suited to the requirements of overseas consumers. During 1932-33 several trial shipments of beef amounting to more than 254,000 lbs. were made to the United Kingdom. The meat arrived in good condition, and valuable knowledge has been obtained which will be used to advantage in future consignments.

9. Agreements Regarding Meat at the Ottawa Conference.—A further stimulus to the Australian meat industry should result from the agreement reached in this connexion at the Imperial Economic Conference at Ottawa in August, 1932. Under the terms of the agreement the Government of the United Kingdom undertakes to regulate importations of foreign meat from 1st January, 1932, to 30th June, 1934, in accordance with the following Schedule :—

STATEMENT SHOWING THE MAXIMUM QUANTITIES OF FOREIGN MEAT TO BE ALLOWED TO BE IMPORTED INTO THE UNITED KINGDOM DURING EACH QUARTER OF THE PERIOD IST JANUARY, 1933, TO 30TH JUNE, 1934, EXPRESSED AS PERCENTAGES OF THE QUANTITIES IMPORTED IN THE CORRESPONDING QUARTERS OF THE TWELVE MONTHS ENDED JUNE, 1932.

		1	1934.			
Meat.	January- March.	April- June.	July- September.	October- December.	January- March.	April- June.
Frozen Mutton and Lamb	%	%	/ % · 80	% 75	% 79	% 65
Frozen Beef (Carcasses and Boned Beef)	90	85	80	75	70	65
Chilled Beef	100	100	100	100	100	100

Australia undertakes to limit the export to the United Kingdom of frozen mutton and lamb during the year 1933 to a quantity equivalent to that exported during the year ended June, 1932, viz., 165,282,000 lbs., while the export of frozen beef will not be increased during 1933 to an extent exceeding 10 per cent. of the quantity exported during 1931-32, viz., 165,872,000 lbs. Thereafter, no restriction will be placed upon the importation of any meat from Australia into the United Kingdom during the currency of the agreed programme. It is agreed that from 30th June, 1934, the regulation of the imports of foreign meat is to be continued until 1938, at the rates in force for the quarter ending June, 1934, unless a permanent policy is agreed upon as a result of consultations which are to take place during 1933 between the Governments of the United Kingdom and Australia. Details of imports of beef, mutton and lamb into the United Kingdom during the period 1927 to 1931 will be found in the tables hereafter.

CATTLE.

10. Imports of Chilled and Frozen Beef into the United Kingdom.—The following statement shows the quantities and values of chilled and frozen beef imported into the United Kingdom during each of the five years 1927 to 1931.

IMPORTS OF CHILLED AND FROZEN BEEF IN QUARTERS'AND SIDES INTO THE UNITED KINGDOM.

Country of Origin. 1927. 1928. 1929. 1930. 1931.
--

CHILLED-QUANTITY.

Brazil Uruguay Argentina Other Foreign Countries British	•••	cwt. 76,832 336,831 9,986,205 2,920 2,187	cwt. 329,225 589,659 8,644,551 1,085	cwt. 332,656 795,465 8,174,800 I 2,004	cwt. 506,976 866,685 7,713,349 	cwt. 598,664 778,437 7,911,175
Total Chilled		10,404,975	9,564,520	9,304,926	9,087,010	9,288,276

CHILLED-VALUE.

Brazil Uruguay Argentina Other Foreign (British	 Countries	· · · · · · ·	£ 188,951 717,738 21,893,115 7,452 4,693	£ 812,048 1,456,834 22,260,448 2,244	£ 881,278 2,075,707 22,275,517 4 4,121	£ 1,276,361 2,197,906 20,248,423 	£ 1,160,043 1,589,591 17,384,571
Total Ch	illed	••	22,811,949	24,531,574	25,236,627	23,722,690	20,134,205

FROZEN-QUANTITY.

		1	1	1		1
		cwt.	ewt.	cwt.	cwt.	cwt.
United States of America	• • •	6,190	166	173		
Brazil		59,087	68,820	50,636	106,271	83,477
Uruguay		149,824	94,822	65,924	191,180	169,200
Argentina		885,060	288,474	346,619	256,502	197,895
Other Foreign Countries		2,474		24,268		486
Australia		558,621	904,772	820,360		992,462
New Zealand		189,879	331,508	77,969		220,317
Other British Countries		1,424	121	7,347	11,133	1,288
Total Frozen		1,852,559	1,688,683	1,393,296	1,515,073	1,665,125
Grand Total	••	12,257,534	11,253,203	10,698,222	10,602,083	10,953,401

Country of Origin.	1927.	1928.	1929.	1930.	1931.	
		Froze	N-VALUE.			·
		£	£	£	£	£
United States of America	• •	15,379	508	778		
Brazil	• •	109,397	136,487	110,242	226,617	149,606
Uruguay	••	316,294	225,884	169,468	476,559	349,300
Argentina	••	1,822,828	680,191	869,126	664,586	410,853
Other Foreign Countries	••	6,010		54,037		877
Australia	• •	1,109,227	1,935,417	1,819,616	1,561,342	1,547,425
New Zealand	••	370,010	681,685	171,623	496,784	320,691
Other British Countries	••	2,757	298	16,280	22,470	2,503
Total Frozen		3,751,902	3,660,470	3,211,170	3,448,358	2,781,255
Grand Total	••	26,593,851	28,192,044	28,447,797	27,171,048	22,915,460

IMPORTS OF CHILLED AND FROZEN BEEF IN QUARTERS AND SIDES INTO THE UNITED KINGDOM—continued.

§ 4. Sheep.

1. Initiation of the Pastoral Industry.—Fortunately for Australia, the suitability of its climate and general conditions for the production of a high class of wool was, at an early date in the history of its settlement, surmised and tested by Captain Macarthur, one of the pioneer sheep-breeders of New South Wales. To the energy of this enterprising pastoralist is due in large measure the rapid and extremely satisfactory development of Australia as a producer of fine wool, and, while it would appear that the introduction of the merino sheep into Australia was not due to Macarthur, a great deal of the credit for having successfully established the pastoral industry in Australia must certainly be his.

2. Distribution throughout Australia.—With the exception of a short period in the early 'sixties, when the flocks of Victoria outnumbered those of the mother State, New South Wales has maintained the premier position in sheep-raising. Within its borders is contained generally one half of the sheep of Australia, and in the years 1924 to 1927 even this high percentage was exceeded.

Fluctuations in the number of sheep recorded for each year in Australia from 1860 onwards may be seen from the graph accompanying this Chapter. Five marked periods of decline depleted the numbers at successive intervals, but these gaps were quickly restored. Since 1925 the sheep flocks have exceeded 100 millions, reaching 104,558,342in 1929, and 110,568,279 in 1930, the latter figure constituting a record eclipsing the previous record of 106.4 millions in 1891. At no previous period have such large numbers been depastured continuously, and the development has taken place notwithstanding an annual slaughter of some ten to fifteen million sheep and lambs for the mutton and lamb trade.

The number of sheep in the several States and Territories for each year from 1928 to 1931 with an estimate for the year 1932 is as follows :—

Year. New South Wales.	Victoria.	Queens- land.	South Australia.	Western Australia.	Tasmania.	Nor. Ter.	Fed. Cap.Ter.	Total.
						——-	•	
1931 52,986,000	17,427,203 16,477,995 16,376,217		6 185,252 5,980,959 6,608,981	8,943,002 9,556,823 9,882,761 10,098,104 10,404,981	2,000,605 2,091,113 2,119,606 2,012,055 2,000,000	12,203 15,838	a240,445 a183,077 194,391	103,430,773 104,558,342 110,568,279 110,618,893 112,163,476

SHEEP.---NUMBERS.

(a) 30th June year following.

(b) Estimate as at 31st December, 1932.

SHEEP.

3. Proportion in the Several States and Territories.—Apart from the effect of drought the relative numbers of sheep depastured in the different States show little change. The most noteworthy alteration was a loss of 2.20 per cent. in New South Wales and a gain of 3.67 per cent. in Queensland during 1931 as compared with 1927.

The percentage distribution in 1931 was :--New South Wales, 47.90; Victoria, 14.81; Queensland, 20.18; South Australia, 5.98; Western Australia, 9.13; Tasmania, 1.82; Federal Capital Territory, 0.18 per cent.

4. Comparison with other Countries.---As regards the size of its flocks, and the quantity and quality of wool produced, Australia has long occupied a leading position amongst the sheep-raising countries of the world. The following figures taken mainly from the Year Book of the International Institute of Agriculture represent the latest returns available in regard to the number of sheep in the principal wool-producing countries. The leading position is held by Australia, with more than 110 millions, followed by the Soviet Republics, with 80 millions, the United States with 54 millions and the Union of South Africa, 48 millions. In previous years the largest numbers were recorded in the Soviet Republics where a total of as high as 130 millions was shown. but in 1931 the number quoted by the International Institute of Agriculture was reduced to 80 millions, equal to a decline of over 50 millions. No explanation of this large decrease is available, but it is known that heavy slaughterings have occurred as a protest by the peasants to the intensification of the Soviet collectivization plan. Russian sheep are almost entirely coarse-woolled and the poor quality wool does not ordinarily figure in world trade. Efforts are being made, however, by the Soviet Government to improve the quality of the wool and the quantity shorn per fleece, and to this end merino sheep were imported from America and Germany in 1927. In 1928-29, and 1929-30, 2,031 and 5,006 sheep, valued at £6,017 and £13,606, respectively, were exported from Australia to Russia for breeding purposes. As pointed out in sub-paragraph 6 following, however, the export of stud sheep is now subject to control. The production of wool, in Russia, apparently, amounted to about 220 million lbs. only during the year 1931. This represents an average weight of fleece shorn of about 3 lb., which is considerably less than half of that obtained in Australia.

Country.	Date.	No. of Sheep (,000 omitted).	Country.		Date.	No. of Sheep (,000 omitted).
	1001	110.010			•	
Australia	1931	110,619	Greece	••	1931	7,072
Soviet Republics	1931	79,500	French Morocco	••	1931	6,613
United States of			Chile	••	1930	6,263
America	1931	53,912	Iraq (a)	•••	1931	5,464
Union of South Africa	1930	48,358	Bolivia	••• [1931	5,232
India (British and	· .		Persia		1931	4,942
Native)	1930	44,628	Algeria		1931	4,671
Argentine Republic	1930	44,413	Portugal		1925	3.721
New Zealand	1931	29,793	Canada		1931	3,608
United Kingdom	1931	26,374	Irish Free State		1931	3,575
Uruguay	1930	20,558	Germany	••	1931	3,499
Spain	1931	20,047	Kenya	••	1930	3,227
Rumania	1931	12,356	Syria and Lebanon		1931	2,969
Turkey	1931	11,762	Basutoland		1931	2,829
Peru	1929	11,209	Mexico		1926	2,698
Italy	1930	9,896	Poland		1931	2,599
France	1931	9,845	Somaliland		1931	2,500
French Equatorial and			Tunis		1931	2,475
West Africa	1931	9,766	Sudan (Anglo-			
Bulgaria	1926	8,739	Egyptian)		1931	2,250
Yugoslavia	1931	8,426	Nigeria		1931	2,250
Brazil	1920	7,933	Tanganyika Territor	ry	1931	2,233

SHEEP .- NUMBER IN VARIOUS COUNTRIES.

(a) Including goats.

5. World's Totals.—The number of sheep in the various great divisions of the world has been estimated by the International Institute of Agriculture, and a comparison has been made with pre-war estimates. In the table below the results are shown, the totals being subject to the limitations noted for other classes of live stock. (See § 2, 6 ante.)

	Continents	- oto		Number at neares			-) or Decrease in 1929.			
·				1913.	1929.	Actual Figures.	Percentages			
			;	,000	,000	,000	%			
Europe (exc	luding tl	he U.S.S.	R.)	126,999	123,900	- 3,099				
United Socia	ılist Šov	iet Repul	blics	111,051	132,800	+ 21,749	+19.5			
North and C	entral A	merica		43,148	55,700	+ 12,552	+29.1			
South Amer	ica	••	••	100,392	102,500	+ 2,108	+ 2.1			
Asia (a)	••			41,802	65,900	+ 24,098	+55.5			
Africa	••	••	•• 1	76,583	100,300	+ 23,717	+30.9			
Oceania	••	••		109,331	133,700	+ 24,369	+22.2			
Total				609,306	714,800	+ 105,494	+20.1			

SHEEP.—WORLD'S TOTALS.

(a) Excluding U.S.S.R., China and Persia.

6. Oversea Imports and Exports of Sheep.—As in the case of cattle, the oversea exports of live sheep from Australia are of comparatively small importance. During the past five years the principal consignments of ordinary sheep have been made to Malaya (British) from the State of Western Australia. The purchases by buyers from New Zealand, South Africa, Russia and Japan at the Australian Stud Sheep Sales during recent years opened up a regular export trade with these countries in stud sheep. On the 27th November, 1929, however, the export of stud sheep was prohibited, except with the approval of the Minister for Trade and Customs. Consequently exports declined during 1931-32, and amounted to 297 sheep only valued at $\pounds_{17,702}$, as compared with 6,389 valued at $\pounds_{32,933}$ in 1929-30. The following table shows the imports and exports of stud and ordinary sheep for the years 1927-28 to 1931-32 :--

77		Impo	orts.	Exp	orts.	Net E	xports.
Year.	-	No.	Value.	No.	Value.	No.	Value.
		1	£		£		£
1927–28 1928–29	••	3,045	12,417	33,916	52,929	30,871	40,512
1928–29 1929–30	••	3,764 2,908	17,797 23,278	33,309 41,672	61,244 58,959	29,545 38,764	43,447 35,681
1929-30 1930-31 (a)	••	1,417	10,868	27,478	14,214	26,061	3,346
1930-31(a) 1931-32(a)		1,417	8,326	48,697	16,822	47,131	3,340 8,496

(a) Australian currency values.

SHEEP.

7. Sheep Slaughtered.—The number of sheep slaughtered in the several States during each of the years from 1927 to 1931 was as follows :—

Year.	N.S.W. (a)	Victoria. (a)	Q'land.	S. Aust.	W. Aust.	Tas. (a)	Nor. Ter.	Fed. Cap. Ter.(a)	Total.
1927 1928 1929 1930 1931	5,009,511 4,967,835 6,326,925 6,254,436 6,894,961	4,732,494 5,286,642 6,024,702 5,745,475 5,678,252	669,742 805,461 1,089,978 1 671,245 1,761,974	1,209,608 1,263,352 1,242,835 1,308,976 1,378,931	784,349 807,510 861,785 994,813 1,038,672	328,671 331,820 341,527 363,329 399,904	 644 540 540	22,507 20,384 23,026 23,911 23,448	12,756,882 13,483,004 15,911,422 16,362,725 17,176,682

SHEEP (INCLUDING LAMBS) SLAUGHTERED.

(a) Year ended 30th June year following.

8. Production and Consumption of Mutton and Lamb.—The production of mutton and lamb during the year 1931-32 amounted to 688,300,065 lb., of which 521,697,830 lb., or 76 per cent., was consumed locally, leaving a balance of 24 per cent. for exportation. See also § 1, No. 10.

9. Exports of Frozen Mutton and Lamb.—The export trade in mutton and lamb preserved by cold process grew rapidly, until in 1913, the year immediately before the war, the value of the shipments amounted to nearly $\pounds_{3,000,000}$. The exports fell away considerably during the war years, but a record export of 246,971,346 lbs., valued at $\pounds_{5,482,564}$, was made in 1919–20, and in 1922–23 the shipments were valued at $\pounds_{4,321,917}$. Climatic conditions have since favoured a considerable output, and shipments have responded accordingly.

As in the case of frozen beef, the principal customer in this trade is the United Kingdom, which absorbed 95 per cent. of the total quantity exported from Australia during the year 1931-32, while the balance was shipped mainly to Belgium, France and Malaya (British).

10. Resolutions at Ottawa Conference.—Reference has already been made to the agreement reached at the Imperial Economic Conference at Ottawa regarding the regulation of imports of meat into the United Kingdom. See § 3, 9 ante.

11. Imports of Frozen Mutton and Lamb into the United Kingdom.—The quantities and values of frozen mutton and lamb imported into the United Kingdom from various countries for the five years ending in 1931 are given in the following table, viz. :—

Country of Origin.			1927.	1928.	1929.	1930.	1931.				
MUTTONQUANTITIES.											
Soviet Union China Chile Brazil Uruguay Argentina Other Foreign	 Countries	•••	cwt. 13,369 182,742 1,690 193,719 788,681 952	cwt. 1,152 223,693 1,421 245,573 706,145 902	cwt. ., 192,017 26,168 194,441 654,865 1,803	cwt. 202,715 11,588 156,756 656,685 2,641	cwt. 125,907 1,799 53,605 485,350 124				
Total, F	oreign	•••	1,181,153	1,178,886	1,073,975	1,030,385	666,785				

IMPORTS OF FROZEN MUTTON AND LAMB INTO THE UNITED KINGDOM.

Country of Origin. 1927. 1028 1929. 1931. 1930. MUTTON-QUANTITIES. cwt. ewt. cwt. cwt. cwt. 128,858 211.681 254,238 502,211 Australia 192,440 . . 1,047,682 962,891 1,172,262 New Zealand 883,789 1,105,105 . . Other British Countries 6 311 125 1,305 3 .. Total. British 1,240,128 1,174,883 1,012,772 1,427,805 1.607.319 . . Grand Total 2,086,747 2,421,281 2,353,769 2,458,190 2,274,104 . . MUTTON-VALUE. £ f. £ £ £ Soviet Union 2,690 • • • • . . • • China 29,587 10,922 • • Chile 389,778 555,282 335,882 203,360 440,917 29,466 Brazil 56,985 3,038 3,405 3,941 434,838 Uruguay 486,818 590,242 366,746 103,301 Argentina 1,760,080 1,838,331 1,693,863 1,594,543 952,349 Other Foreign Countries 2,045 2,504 4,536 5,912 244 . . Total, Foreign 2,992,990 • • 2,619,733 2,694,041 2,332,549 1,262,292 Australia 402,108 530,911 293,478 810,537 552,149 • • 40*2,-*2,727,274 8 New Zealand 2,708,136 2,360,940 2,699,759 2,033,978 . . Other British Countries 8 . . 721 347 3,752 Total. British 3,239,768 2,654,765 2,844,523 3,129,390 3,255,660 . . Grand Total 6,232,758 5,348,806 5,588,209 4,106,815 5,749,123 LAMB-QUANTITIES. cwt. cwt. cwt. cwt. cwt. Iceland .. 6,775 8,383 10,980 16,910 18,097 . . United States 208 1,595 2,443 2,154 • • Chile 128,528 92,723 139,151 152,052 113,992 Brazil .. 723 157,823 15,785 2,994 1,002 10,362 Uruguay 172,316 266,571 123,533 230,695 . . •• 747,802 795,358 Argentina 805,323 890,297 1,067,959 • • Other Foreign Countries 280 14 1,105 182 • • . . Total, Foreign 975,981 1,101,002 1,216,446 1,249,301 1,441,385 ••• Anstralia 334,846 464,632 . . 432,377 555,932 1,027,134 New Zealand 1,831,914 1,679,290 1,862,298 2,120,580 2,364,656 • • **Other British Countries** 88 785 236 905 Total. British 2,111,755 2,166,996 2,327,715 . . 2,677,417 3,391,790 Grand Total . . 3,087,736 3,267,998 3,544,161 3,926,718 4,833,175

IMPORTS OF FROZEN MUTTON AND LAMB INTO THE UNITED KINGDOM continued.

WOOL.

Country of Origin.		1927.	1928.	. 192 9.	1930.	1931.
		Lamb-	-VALUE.			
Iceland United States Chile Brazil Uruguay Argentina Other Foreign Countries	· · · · · · · · ·	£ 24,632 7,320 324,430 8,722 376,436 2,475,284 	£ 34,864 1,046 488,993 2,392 511,805 2,834,450 125	£ 31,026 5,317 510,295 3,429 573,966 3,077,313 5,194	£ 50,177 8,761 443,906 51,500 820,209 2,519,074 634	£ 45,310 274,645 24,319 603,981 2,806,270 687
Total, Foreign		3,216,824	3,873,675	4,206,540	3,894,261	.3,755,212
Australia New Zealand Other British Countries	 	1,556,658 6,904,046 426	1,284,660 7,950,598 737	1,725,152 7,664,459 4,007	1,933,600 8,232,156 3,339	2,785,113 7,600,524
Total, British	•••	8,461,130	9,235,995	9,393,618	10,169,095	10,385,637
Grand Total	•••	11,677,954	13,109,670	13,600,158	14,063,356	14,140,849

IMPORTS OF FROZEN MUTTON AND LAMB INTO THE UNITED KINGDOMcontinued.

§ 5. Wool.

1. General.—Australia is the leading wool-growing country in the world. With less than one-sixth of the world's sheep, Australia produced in 1931-32, one-quarter of the world's supply. Moreover, half of the world's production of fine quality merino wool is produced in Australia. The bulk of the production is exported, but with the greater activity of Australian woollen mills the quantity used locally is increasing, nevertheless the amount so used represents under 6 per cent. of the total production.

The important position held by Australia among the principal sheep and wool producing countries of the world is more clearly shown in the following table :----

SHEEP AND WOOL—PRINCIPAL PRODUCING COUNTRI	SHEEP /	AND WOOL-PRINCIP	AL PRODUCING	COUNTRIES.
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Countr	y.		Year.	No. of Sheep (in millions).	Wool Production (in millions of lb., greasy).
Australia			1931-32	110.6	1,006.6
United States	••		1931	53.9	435.0
Soviet Republics	••		1931	79.5	386.0
South Africa	••		1930	48.3	335.0
Argentine	••		1930	44.4	333.0
New Zealand	••		1931-32	28.7	282.8

2. Value.—Wool is the chief factor in the pastoral wealth of Australia, and the nation's prosperity is largely dependent upon the satisfactory sale of the clip. The heavy decline in the price of wool which commenced in 1929–30 continued during the season 1931–32 and its effect upon the national income is reflected in the following figures. Based on the average auction room price of greasy wool the output for the season 1931–32 was valued at $\pm 35,073,500$ compared with $\pm 4,222,000$ in $\pm 1929-30$; $\pm 70,833,000$ in 1928–29, $\pm 81,430,000$ in the record price year $\pm 1924-25$, and $\pm 58,985,000$, representing the average of the previous five seasons. The average auction room price of greasy wool declined from 16.44d. per lb. in $\pm 1928-29$ to $\pm 10.29d$. per lb. in $\pm 1929-30$, to 8.36d. in $\pm 1930-31$, to 8.46d. in $\pm 1931-32$, and in $\pm 1932-33$ an increase to 8.72d. per lb. was recorded, a fall of 47.0 per cent. since $\pm 1928-29$. During the five years ending $\pm 1931-32$ the export of wool averaged 43 per cent. of the value of the total shipments of merchandise from Australia, while during $\pm 931-32$ the proportion was 32.8 per cent.

3. Greasy and Scoured Wool.—Whether the weight of the wool clip should be stated as "in the grease" or as "scoured or washed" is a matter which seriously affects comparisons between the clips of different seasons and of different countries. The quantity of extraneous matter and grease in a fleece differs, not only between countries, but between districts in the same country. It fluctuates with the vagaries of the season, while it varies also with the breed and the condition of the sheep. There is, moreover, no clearly defined standard in regard to the cleanliness of wool described as scoured or washed. Consequently, any comparisons of the weight of the Australian clip for different years or seasons whether on a greasy or a scoured basis cannot be regarded as scrupulously exact. After extensive inquiry, however, by this Bureau it has been accepted that for the purpose of converting the Australian clip from the greasy to the clean category, the clean weight may be estimated at 46.15 per cent. of the greasy weight; in other words, $2\frac{1}{6}$ lb. of greasy wool are equivalent to 1 lb. of clean wool.

The quantity of scoured or washed Australian wool exported during the last five years was approximately 13 per cent. of the total wool exports regarded as "greasy".

4. Production.—(i) Quantity. The bulk of the Australian wool production is shorn from live sheep. Approximately 6 per cent. is obtained by fellmongering and about 4 per cent. is on exported skins. Statistics of wool production are compiled from data received from growers, fellmongers, etc. The following table gives the production for each of the past five seasons:—

State.	1927-28.	1928–29.	1929-30.	1930-31.	1931-32.
	lb. 443,860,000 148,503,795 136,544,333 78,369,918 67,549,734 13,272,000 30,000	lb. 484,753,597 179,854,306 150,108,044 74,616,004 63,890,984 14,900,000 30,000	lb. 461,852,890 160,662,578 161,087,873 67,300,881 72,562,594 14,100,000 30,000	146,862,612 182,061,407 63,478,524	lb. 503,275,416 159,721,916 184,716,462 67,021,312 77,985,741 13,875,000 35,000
,		968,152,935		912,141,253	1,006,630,847

WOOL.—TOTAL PRODUCTION.

(a) Including Federal Capital Territory.

(b) Approximate figures.

(ii) Estimate for 1932-33. Although the returns are not yet complete, the total wool production of the Commonwealth during 1932-33 is estimated at 1,028,000,000 lb., valued at approximately £37,350,000 or 8.72d. per lb. in Australian currency.

5. Care Needed in Comparing Clips.—In comparing successive clips, allowance must be made for the circumstance that, owing to climatic or other conditions, the time of shearing may be so far delayed that one clip may include almost thirteen months' growth of wool, while the succeeding one may include little more than eleven months' growth. WOOL.

6. World's Wool Production.—The following table compiled from the report of the Textile Division of the United States Department of Commerce shows the importance of Australia as a wool-producing country. Out of a total world production of 3,828 million lb. in 1931, Australia's share amounted to over 912 million lb., or nearly 25 per cent.

WOOL (a).-WORLD'S PRODUCTION.

(In millions of lb.)

0		Average Annual Pre-War			Production.		
Countries.		Produc- tion.(b)	1927.	1928.	1929	1930.	1931.(0)
North America-			[1
United States		314.1	328.1	351.0	363.5	397.9	.435.0
Canada		11.2	18.7	19.6	21.4	21.2	20.4
Mexico	••	7.0	2.0	19.0	1.3	12.4	6.6
Total			348.8		386.2		462.0
	•••	332.3	340.0	371.9	300.2	431.5	402.0
Central America West Indies	and 	1.0	0.7		••		
South America-							
Argentine Rep	ublic	358.7	331.0	342.3	323.4	333.3	333.0
Brazil		35.0	26.4	24.2	24.2	24.2	24.2
Chile		17.4	35.0	33.0	32.5	30.0	26.7
Peru	••	9.9	10.0	10.0	10.3	10.3	12.1
Uruguay		157.0	130.0	135.0	135.0	140.0	110.0
All other	· • •	9.3	20.3	17.1	19.8	8.1	9.1
Total	••	587.3	552.7	561.6	545.2	545.9	515.1
Europe]]			
Austria	••	15.4	1.2	o.8	0.9	0.8	0.8
Belgium		1.0	0.8	0.8	o.8	0.8.	1.2
Bulgaria		23.7	22.0	21.5	22.9	22.0	21.6
Czechoslovakia	••		3.4	3.3	3.3	3.3	3.3
· Denmark	••	3.5	3.2	2.6	3.0	2.6	2.6
Estonia			2.4	1.9	I.5	1.5	1.5
Finland	••	••	5.0	5.0	4.3	4.5	4.5
France		80.7	47.4	49.6	44.0	46.3	43.0
Germany		52.0	38.5	31.9	34.7	35.0	32.4
Greece		14.0	17.5	16.6	16.6	19.0	17.6
Hungary		17.6	16.5	11.5	6.I	6.2	11.0
Iceland		2.0	(d)	(d)	(d)	(d)	(d)
Italy		55.0	55.8	49.5	37.5	33.0	28.6
Netherlands	••	3.6	4.0	4.0	4.4	3.5	2.5
Norway		8.2	6.2	5.5	5.5	5.5	5.5
Poland		7.1	4.3	9.8	8.8	9.9	10.4
Portugal		10.0	6. 0	6.3	5.1	6.6	6.6
Rumania		13.2	55.0	55.0	55.0	53.0	44.0
Russia]	320.0	237.1	370.3	384.2	384.3	386.0
Spain		72.0	104.5	100.0	ັ <u>9</u> 9.0	75.0	108.0
Sweden		2.9	2.2	1.6	1.3	1.3	1.2
Switzerland		1.0	0.7	0.9	0.9	0.9	0.9
Turkey		28.0	•••				
United Kingdon	n	134.0	117.7	106.1	117.8	152.6	156.0
Irish Free State			12.8	13.6	14.5	14.7	15.0
Yugoslavia		25.4	37.4	30.0	30.0	30.0	26.8
All other			7.8	7.3	9.9	9.5	10.7
Total	•••	890.3	809.4	905.4	912.0	921.8	941.7
(a) Computed on	" "	" basis	(b) Avera	re for years	to to to to to to to	- aluairra	(c) Where

(a) Computed on "greasy" basis.
 (b) Average for years 1909 to 1913 inclusive.
 (c) Where 1931 figures were not obtainable, an earlier figure or an unofficial estimate has been inserted.
 (d) Included with Denmark.

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		Average Annual			Production.		
Countries.		Pre-War Produc- tion.	1927.	1928.	1929.	1930.	1931.
Asia—							
British India		60.0	55.0	70.0	70.0	70.0	71.0
China		50.0	60.0	55.5	55.5	55.5	70.0
Persia		12.1	18.0	14.0	45.0	45.0	48.8
Russia in Asia		60.0	79.5	(e)	(e)	(e)	(e)
Turkey in Asia		90.0	11.3	11.0	7.7	59.9	60.0
All other	•••	1.0	52.0	56.6	51.6	52.0	51.0
Total		273.1	275.8	207.1	229.8	282.4	300.8
Africa—				-			
Algeria		35.2	36.8	38.8	43.0	48.0	35.3
British South Afri		165.9	240.0	285.0	312.0	337.0	335.0
Tunis		3.7	5.7	3.1	3.8	8.8	8.8
Morocco		14.9	38.7	21.6	21.7	23.1	30.9
All other	••	30.0	29.3	18.4	19.5	20.4	20.6
Total		249.7	350.5	366.9	400.0	437.3	430.6
Oceania					-	-	•
Australia New Zealand		741.4 198.5	924.4 202.4	888.1 235.6	968.2 222.5	937.6 241.8	912.1 266.0
							-
Total	•••	939.9	1,126.8	1,123.7	1,190.7	1,179.4	1,178.1
Total all other Count	tries	13.0	15.0				••
GRAND TOTA	L	3,286.6	3,479.7	3.536.6	3,663.9	3,798.3	3,828.3

WOOL.-WORLD'S PRODUCTION-continued.

(In millions of lb.)

(e) Included with Russia in Europe. (See also notes on preceding page.)

7. Wool Locally Used.—The quantity of wool used locally, so far as can be ascertained, is shown in the following table. Precise details of consumption are difficult to obtain, but the quantities shown hereunder should closely approximate the truth.

WOOL.-ESTIMATED CONSUMPTION OF GREASY WOOL-AUSTRALIA.

Particulars.	1927-28.	1928-29.	1929-30.	1930-31.	1931-32.
Wool Consumption — in	· lb.	lb.	lb.	lb.	lb.
terms of Greasy	42,905,118	51,130,028 ``	56,499,906	46,523,514	66,771,374

WOOL.

8. Export of Wool.—(i) Greasy—Quantities. Of the total weight of greasy wool shipped overseas during the past five years nearly 30 per cent. was sent to the United Kingdom, as compared with 38 per cent. dispatched in pre-war years. The other leading consignees since 1928–29 were France, Japan, Germany, Belgium, Italy and the United States of America, the principal continental countries taking 49.4 per cent., and America and Japan 19.6 per cent. of the total shipments. The following table shows the quantities of "greasy" wool exported, and the principal countries of destination :—

Country to which Exported.	Average, Five Years, 1909–13.	1928-29.	1929-30.	1930-31.	1931–32,	Average for Five Years ending 1931-32.
France Japan	lb. 212,004,088 149,835,946 55,143,706 55,143,706 15,486,447 4,381,197 (a) 425,547 r26,653	lb. 212,035,141 172,006,450 101,092,258 99,93.251 99,695,826 19,154,235 40,104,242 296,051 1,404,596 270,921	lb. 202,438,310 172,783,716 83,243,431 94,962,530 80,764,804 19,346,569 35,582,700 770,940 948,394 310,185	b. 228,196,396 147,453,999 151,201,649 104,320,246 74,488,232 20,378,195 37,724,169 956,029 466,704	lb. 256,845,443 116,355,296 185,672,264 80,565,488 63,822,477 9,362,688 56,740,272 461,462 673,314 102,134	lb. 219,124,306 149,902,598 125,521,804 95,036,734 78,960,821 19,066,213 40,968,495 517,017 854,267 176,837
Other Countries	5,830,377	17,346,556	8,249,325 699,400,904 -	23,735 3,759,976 768,969,330	4,626,184	739,156,953

WOOL IN THE GREASE.-EXPORTS, AUSTRALIA.

(a) Included in Other Countries.

(ii) Scoured and Washed-Quantities. The exports of "scoured and washed" wool during the period shown were as follow :--

W00L, SC	COURED .	AND	WASHED	(a),	-EXPORTS,	AUSTRALIA.
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Country to which Exported.		Average Five Years 1909-13.	1928–29.	1929–30.	1930-31.	1931-32.	Average for Five Years ending 1931-32.
		1b.	1b.	lb.	lb.	lb.	lb.
United Kingdom		32,032,577	24,818,010	26,859,655	23,762,729	33,355,887	25,607,843
France	••	16,068,910	5,463,934	6,331,892	6,206,301	5,371,571	6,513,368
Japan		1,888,161	1,972,525	1,333,763	2,334,505	2,508,758	2,265,875
Belgium		7,528,058	6,987,612	4,382,722	5,255,927	6,007,231	5,780,085
Germany		12,310,967	3,534,812	3,964,028	5,174,277	4,883,089	4,912,068
United States of Am	erica	66,156	875,775	585,993	376,543	356,088	598,253
Canada	••	(b)	614,677	440,097	1,091,112	1,599,432	806,743
Italy	••	265,442	544,585	336,770	616,790	2,664,242	911,533
Netherlands		(b)	12,718	12,590	24,995	208,112	56,414
India	••	59,684	174,272	354,569	459,440	549,272	310,973
Other Countries	••	127,155	2,202,143	342,720	355,390	385,984	2,148,140
Total		70,347,110	47,201,063	44,944,799	45,658,009	57,889,666	49,911,295

(a) Including "tops."

(b) Included with Other Countries.

The figures for "scoured and washed wool" include tops as follow :--in 1927-28, 2,559,159 lb., valued at £488,199; in 1928-29, 872,774 lb., valued at £166,957; in 1929-30, 552,152 lb., valued at £87,871; in 1930-31, 1,033,913 lb., valued at £114,035, and in 1931-32, 2,170,330 lb. valued at £248,055. See also § 1 No. 8 The total exports of wool tops during the last five years amounted to 7,188,328 lb., valued at £1,105,027, of which 3,027,241 lb., or more than 42 per cent., were shipped to Japan.

(iii) Total Value of Exports. The total value of the wool exported from Australia to the principal countries during the periods under review was as follows :---

Country to which Exported.		Average Five Years 1909–13.	1928–29.	1929-30.	1930–31.	1931-32.	Average for Five Years ending 1931–32.	
			£	£	£	£	£	£
United Kir	ngdom		10,608,967	19,947,694	12,648,045	10,257,653	11,841,995	14,937,837
France	·		6,494,832	11,865,744	8,075,006	5,479,746	4,004,983	8,277,191
Japan			516,528	8,693,195	4,434,746	6,478,587	7.513,519	7,487,379
United Sta	tes of A	merica	795,328	1,883,155	1,154,433	1,117,533	542,728	1,560,612
Germany	••	••	5,131,282	7,773,780	4,626,041	4,165,020	3,223,083	5,773,713
Belgium			2,546,915	6,434,323	3,316,902	2,623,906	2,284,555	4,169,151
Italy	••		202,434	3,019,802	1,641,166	1,482,943	2,174,633	2,252,530
Netherland	ls		(a)	27,411	44,061	41,616	36,651	32,653
Canada	••		6,765	113,926	82,850	109,280	178,703	112,779
India		••	22,308	110,802	74,292	41,839	64,638	68,919
Other Cou	ntries	••	267,283	1,7 45,413	502,968	205,182	237,408	1,011,051
Tot	al		26,592,642	61,615,245	36,600,510	32,003,305	32,102,896	45,683,815

WOOL EXPORTS .- TOTAL VALUE, AUSTRALIA.

(a) Included with Other Countries.

9. Average Export Value.—The following table shows the average values per pound of Australian wool according to the export returns for the periods indicated. The values are based on the auction room price plus the cost of placing the wool on board ship.

Descrip- tion.	Average Five Years 1909-13.	Average Five Years 1923-27.	1927–28.	1928–29.	1929–30.	1930-31.	1931–32.	1932-33.	Average Five Years 1929-33.
Greasy Scoured	d. 9.40 16.36	d. 20.42 28.15	d. 20.49 31.87	d. 17.58 28.72	d. 11.30 19.34	<i>d</i> . 9.16 13.56	d. 8.97 12.14	d. 9.07 12.95	<i>d</i> . 11.16 16.73

AUSTRALIAN WOOL.-EXPORT VALUE PER POUND.

10. Average Market Value.—The following table gives details of the average price in Australia of greasy and scoured wool as compiled by the National Council of Woolselling Brokers. In the matter of greasy wool the margin between the values shown and those of the previous table represents the cost of placing the wool on board ship. This cost includes delivery from store to ship, wharfage, buyers' commission, handling charges, and insurance after sale.

WOOL .- AVERAGE MARKET VALUE PER LB.

Descripti	on.	1926–27.	1927-28.	1928-29.	1929–30.	1930–31.	1931-32.	1932-33.
Greasy Scoured		<i>d</i> . 16.86 27.99	<i>d</i> . 19.50 32.21	<i>d</i> . 16.44 28.12	<i>d</i> . 10.29 18.69	<i>d</i> . 8.36 13.74	<i>d</i> . 8.46 12.65	<i>d.</i> 8.72 14.08

11. Exports and Local Sales of Wool.—Approximately 90 per cent. of Australian wool is now disposed of locally prior to export. Buyers from the United Kingdom, France, Belgium, Germany, and other European countries, and from America, Japan, China, and India, attend the sales conducted in Sydney, Albury, Melbourne, Geelong, Ballarat, Brisbane, Adelaide, Perth, Hobart, and Launceston. Particulars regarding exports and local sales, as well as quantities and proportions of the various descriptions of wool marketed in each State, will be found in the Production Bulletins issued by this Bureau.

WOOL.

12. The Wool Market.—(i) The 1931-32 Season. The season 1931-32 was the third consecutive year of extremely low values. Average auction prices were 16.44d. per lb. in 1928-29, compared with 10.29d. in 1929-30, 8.36d. in 1930-31, a fall of 49.15 per cent. In 1931-32, however, there was an increase to 8.46d., but this figure is too low to be remunerative to growers. Measured in terms of Australian, Sterling, and Gold currencies the approximate value of greasy wool per lb. was as follows :—

	Year.		Australian Currency.	Sterling.	Gold Prices.	
			<i>d</i> .	<i>d</i> .		
1928–29	••		16.44	16.44	16.44	
1929-30			10.29	10.29	10.29	
1930-31	••	••	8.36	6.96	6.96	
1931-32	••	••	8.46	6.69	5.10	
1932-33			8.72	6.98	4.84	

AVERAGE VALUE OF GREASY WOOL PER LB.—AUSTRALIA.

The average values shown in sterling and gold currencies have been calculated by converting the average prices shown in Australian currencies on the basis of the average rate of exchange between the months of September and June in each year. Though not exact these results will suffice for general purposes. The estimated value of the total wool production for the season 1931-32 was £35,073,500 as compared with £34,803,500 in 1930-31, and £81,430,000 during the record year of 1924-25.

During the year 2,713,846 bales were sold, compared with 2,481,255 bales in the previous year. The average return per bale was 48. 5d. less than the previous year, while the aggregate realized £29,642,868 as against £60,873,662 in 1927-28.

During the year 1931-32 the number of bales sold in Australia was 2,713,846 as against 2,481,255 bales in the previous year and 2,411,873 bales in 1927-28. The amounts realized at the sales in these years were, respectively 1931-32, £29,642,868; 1930-31, £27,645,745; and in 1927-28 which was the record year for aggregate values, £60,873,662.

(ii) Wool Realization Scheme. The affairs of the British-Australian Wool Realization Association have been liquidated and consequently references to its operations which appeared in previous Year Books are not repeated in this issue.

13. United Kingdom Importation of Wool.—The appended statement of the quantity and value of wool imported into the United Kingdom during the year 1931 from the principal wool-producing countries shows the important position which Australia occupies in the supply of wool to the mother country :—

Country from which imported.	Quantity.	Value.	Country from which imported.	Quantity.	Value.	
Australia	lb.	£ 11,801,012	Other British	lb.	£	
N	289,969,400		Possessions.	3,806,700	115,583	
Union of South	100,301,500	0,240,540	Dama	3,048,200		
A	130,994,300	5,544,671	TD . 1	2,088,700	103,957	
Argentine Re-	130,994,300	5,544,071	Commanne	1,896,500	79,451	
public	94,346,600	2,320,716	Falkland Islands	1,395,700	48,750	
Uruguay	38,517,900	1,141,360	Persia	645,700	32,537	
India	35,806,300	1,034,819	United States of	045,700	52,557	
Chile	25,213,000	816.068	America	510,800	13,782	
France	19,016,500	908,918	Other Countries	5,077,300	186,200	
Irish Free State	7,513,600	219,810				
	1,3-31		Total	848,228,700	32,715,067	

WOOL (a).—IMPORTS, UNITED KINGDOM, 1931.

(a) Greasy, Scoured, and Tops.

Of the importations of wool into the United Kingdom, Australian wool represented 34 per cent. of quantity and 36 per cent. of value, and New Zealand 22 per cent. of quantity and 25 per cent. of value. Altogether, 657,867,500 lb., valued at £27,011,193, were received from British Possessions, these figures being equivalent to 78 per cent. of the total weight and 83 per cent. of the total value of all wool imported.

14. Inquiry into Wool Industry.—(i) General. A Committee under the chairmanship of the Honorable John Gunn was appointed by the Commonwealth Government on the 15th August, 1932, to inquire into and report on the condition of the Australian Wool Industry. The report of the Committee was presented on the 24th November, 1932. The inquiry covered costs of production, prices, etc., and recommendations were made for the rehabilitation of the industry.

(ii) Costs of Production. Information relating to costs of production was obtained by the Committee from 668 returns covering the operations of representative properties in all States, these properties carrying altogether about 8 million sheep. From the returns received a sufficient number to represent typical conditions in different areas was selected and the following data are based on these selected returns. It is claimed in the Report that the figures given are representative of typical average costs on medium and large properties under the favourable seasonal conditions experienced in 1931. One member of the Committee, however, did not accept the conclusions arrived at in determining the cost of production, and his objections were set out in a separate statement. It should be noted that the costs quoted refer to the production of wool only, as distinct from stock and other station produce.

Expenses of production— Working Expenses excluding all Interest			b. of Wool. d.
Annual Maintenance and Average Drought Expenses	· ··	••	63 1국
Total Wool Expenses at Sheep Properties Add Rail Freight, Handling and Selling Charges .	• ••	··	8½ 1
Average Cost when sold			9 1

AVERAGE COSTS ATTRIBUTABLE TO WOOL ONLY.

The summary above does not take into account interest on borrowed capital or capital invested. This item at an average rate of interest of 5 per cent. on property valued at \pounds_3 per sheep area would amount to a further increase of $4\frac{1}{2}d$. per lb. of wool making a total cost including all interest to the point of sale of 14d. per lb. No allowance has been made for management or the risk of investment in the industry.

(iii) Prices. Information regarding prices will be found on page 556, ante.

(iv) Recommendations. Recommendations were made by the Committee with a view to reducing the hiatus between cost and price. The recommendations refer, amongst other things, to reductions in rail freights, State Government charges generally, Land Tax (Commonwealth and State), Private Business Charges generally. Interest Rates, Handling and Selling Charges. The Committee also recommended (a) the formation of a Commonwealth Wool Executive, consisting of representatives of the wool-growers and wool-selling brokers, and (b) that the Commonwealth Government, by regulation or otherwise, should take to itself power to prohibit the export of wool, except on such conditions as may be prescribed, provided that such power should not be exercised except upon request of the Commonwealth Wool Executive.

Relief from those charges which come within the jurisdiction of the Commonwealth Government has been effected and efforts have been directed to give effect to the other recommendations as far as possible.

§ 6. Trade in Hides and Skins.

1. Extent of Trade.—In addition to the hides and skins treated locally, considerable quantities are exported, the value of Australian cattle and horse hides, and sheep and other skins sent overseas during the five years 1927-28 to 1931-32 amounting to £31,746,926, or an average of £6,349,385 per annum.

2. Sheepskins with Wool.—Sheepskins with wool—the exports of which during the five years aggregated \pounds 15,114,330—constitute the largest item in the values referred to in the preceding paragraph. During the year 1931-32 France was the largest purchaser, taking 48.6 per cent. of the total consignments, while the United Kingdom ranked next with 26.2 per cent. followed by the United States with 14.6 per cent. The remaining 20 per cent. was shipped principally to Germany and Belgium. The exports of sheepskins with wool during each of the years from 1927-28 to 1931-32 were as follow :---

Particulars.	1927-28.	1928–29.	1929–30.	1930-31.	1931–32.	Average for 5 Years.
Number	10,829,913	10,910,516	12,562,384	12,016,672	9,146,335	11,093,164
Value £	4,410,702	4,544,827	3,103,558	1,949,048	1,106,195	3,022,866

SHEEPSKINS WITH WOOL .- EXPORTS, AUSTRALIA.

3. Sheepskins without Wool.—Sheepskins without wool are exported chiefly to the United States of America and the United Kingdom. These two countries took 94 per cent. of the exports during the past five years, the purchases of the United States of America alone amounting to 49 per cent. of the total shipments. Quantities and values for the last five years are given in the table hereunder :—

SHEEPSKINS WITHOUT WOOL.-EXPORTS, AUSTRALIA.

Particulars.	1927-28.	1928–29.	1929–30.	1930-31.	1931–32.	Average for 5 Years.
Number	553,170	514,302	673,221	280,128	131,276	430,419
Value £	42,447	44,001	53,415	13,612	3,643	31,424

4. Hides.—(i) *Exports.* The export trade in Australian cattle hides, which fell away during the war years, has again become important. Considerable quantities were shipped oversea during each of the last five years. In 1931-32 Italy took 26 per cent. of the total shipments, followed by the United Kingdom 23 per cent., Sweden 10 per cent., Finland and Japan each 9 per cent., and Germany 7 per cent.

The exports during the past five years are given in the table below :---

CATTLE HIDES.—EXPORTS, AUSTRALIA.

Particulars.	1927–28.	1928-29.	1929–30.	1930-31.	1931-32.	Average for 5 Years.
Number	1,003,220	829,780	754,846	752,366	293,890	726,820
Value £	1,690,908	1,331,486	794,991	610,720	212,539	928,1 2 9

Calfskins exported during the years 1927-28 to 1931-32 numbered 1,334,210, valued at £377,957, and were shipped mainly to the United States of America, the value of the skins taken by that country averaging 56.3 per cent. of the total exports during the past five years. The annual export of horse hides is very small, and averaged only 8,802 hides, valued at £5,497.

(ii) Imports. The imports of cattle hides and calfskins are fairly large, the average value during the past five years amounting to $\pounds_{332,939}$. New Zealand is the chief source of supply, and small quantities are obtained also from the Pacific Islands, France, and Italy. The number and value of cattle hides, including calfskins, imported into Australia during the five years 1927-28 to 1931-32 were as follow :---

Particulars. 192	27-28. 1928-29.	1928-29. 1929-30.		1931-32.	Average for 5 Years.	
	27,903 363,400	340,150	(a)	(a)	(a)	
	19,345 570,416	401,793	169,165	157,057	343,555	

CATTLE HIDES .- IMPORTS, AUSTRALIA.

(a) Not available. (b) Australian currency values.

The number of horse hides imported into Australia is small. The value of imports during the last five years averaged \pounds 337.

5. Other Skins.—The exports of skins other than those mentioned in the preceding sub-sections are valued as follow :---

Description.		1927–28. 1928–29.		1929-30. 1930-31.		1931-32.	Average for Five Years ending 1931-32.	
Rabbit and	11	£	£	£	£	£	£	
-		112 10	2,630,295 166,059	1,526,242 681,472	570,240	488,736 333,209	1,541,607	
Opossum	•••	540,735 200,781		193,385	215,711	96,997	165,326	
Kangaroo Fox	••		207,532	193,305	127,932	56,435		
Wallaby	••	140,301 42,184	132,771	38,714	47,787	50,435 7,848	98,507	
	••		87,299		25,012	• •	40,211	
Other	••	214,085	20,839	19,281 — -	7,230	2,509	52,789	
Tota	1	3,630,608	3,244,795	2,574,335	993,912	9 ⁸ 5,734	2,285,877	

OTHER SKINS .- EXPORTS, AUSTRALIA.

The United States of America and the United Kingdom were the chief purchasers of these skins, as shown below :---

OTHER SKINS.—AVERAGE EXPORTS TO UNITED STATES AND UNITED KINGDOM 1927–28 TO 1931–32.

	_	Descri	ption.		United Kingdom.	United States of America.	
Rabbit and	i Hare					£ 625,893	£ 765,603
Opossum						306,627	47,016
Kangaroo				•••		18,758	144,364
Fox		••	••	••		67,340	22,360
Wallaby		••				30,706	7,812
Other	••	••	••	••		6,184	38,935
		Total				1,055,508	1,026,090