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WESTERN AUSTRALIA

FORESTRY AND FOREST RESOURCES  
WESTERN AUSTRALIA



STATEMENT PREPARED FOR THE  
**FIFTH**  
BRITISH EMPIRE FORESTRY  
CONFERENCE

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T. N. STOATE, M.Sc. (Adel.), Dip.For. (Oxon.)

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Botanical Names of Principal Local Species Referred  
to in this Report.

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Jarrah	....	....	....	....	<i>Eucalyptus marginata.</i>
Karri	....	....	....	....	<i>Eucalyptus diversicolor.</i>
Marri	....	....	....	....	<i>Eucalyptus calophylla</i>
Wandoo	....	....	....	....	<i>Eucalyptus redunca</i> var. <i>elata.</i>
Brown Mallet	....	....	....	....	<i>Eucalyptus astringens.</i>
Sandalwood	....	....	....	....	<i>Santalum spicatum</i>
Mulga	....	....	....	....	<i>Acacia</i> species.

# FORESTRY AND FOREST RESOURCES

## WESTERN AUSTRALIA

### Statement prepared for the Fifth British Empire Forestry Conference (London), 1947

#### CHAPTER I.

*A description of the part played by Forestry and the Forest Industry in the Economic Structure of the Country, 1934-1938.*

Prior to the war, Forests and Forest Industries <sup>have over the past decades</sup> played a considerable and very important part in the economic structure of Western Australia.

The sawmilling industry employed directly and indirectly approximately 20,000 people out of a total State population of 400,000. It supported a number of country towns and was one of the mainstays of the sea-ports of Bunbury and Busselton. Timber contributed 11 per cent. of the total rail freights paid to the State Railways, which was exceeded only by wheat, 17 per cent.

The State Forest of approximately three million acres employed approximately 300 forest workmen including staff. Within this area had been developed about 11,000 miles of roads and firelines and some 1,300 miles of telephone line, 170 houses for staff and workmen and about one million acres had been largely regenerated and was under full fire protection.

The bulk of the development mentioned above was confined to two of the three million acres, which had been cut over prior to 1930, but there remained nearly one million acres at the South end of the Forest, in which there had been practically no developmental work and no utilisation.

One of the most serious effects of the war therefore has been the reduction of the mapping, roading and fire protecting of this area, which had it not been for the war would undoubtedly have been further developed today.

The forests of W.A. have always provided a field for the employment of labour during periods of financial depression, and are expected to provide a field for employment for returned soldiers in the coming years, provided finance is available from some source other than that normally available to the Conservator of Forests.

In 1930, the gross revenue of the Department was in the vicinity of £136,000 Sterling, resulting in a net revenue of approximately £114,000, from which three-fifths was transferred to a Reforestation Fund, thus giving an income of some £68,000.

During the period, 1930-1938, including the depression years, revenues fell seriously and large sums were spent from loan moneys to absorb and rehabilitate sustenance workers. This resulted in a gradually increasing interest bill, which in 1938 had reached £32,000, and by 1945 had reached £38,000, with a consequent reduction in the amount available to the Reforestation Fund to £22,000 in lieu of £68,000 in the year 1930.

Although this problem in the finance of the Department is attributable rather to the depression years than to the war, the war years since 1938 have accentuated the situation and have prevented the building up of revenue, due to a reduction of the quantity of timber being cut, and to the necessity for the Department to engage in a number of social service undertakings from which no revenue was to be expected.

#### A. Area Statement.

Following are the basic statistics referring to the position at the end of 1938—

(i)	Total area of forest	....	....	....	27,154 square miles. —
(ii)	Total area of land permanently devoted to agriculture short term fallow and improved pasture	....	....	....	51,453 square miles. —
(iii)	Total area of other land	....	....	....	897,313 square miles. —
(iv)	Total area of State	....	....	....	975,920 square miles. —
(v)	Forest area as a percentage of total land area	....	....	....	2.79 per cent.
(vi)	Total population	....	....	....	0.462461 millions.
(vii)	Population per square mile	....	....	....	0.474.

TABLE I.  
Classification of Forest Area.  
(In square miles).

Class of Forest. (1)	State Forest. (2)	Communal Forest. (3)	Private Forest. (4)	Total. (5)	Percentage of Total Forest Area. (6)
(a) Exploitable :—					
(i) Softwood (Conifers) ... ..	17	...	...	17	0·06
(ii) Mixed Wood ... ..	8,737	...	400	9,137	33·65
(iii) Hardwood ... ..					
Total ... ..	8,754	Nil	400	9,154	33·7
(b) Potentially Exploitable ... ..	...	...	...	Nil	...
(c) Other land classed as forest ... ..	18,000	...	...	18,000	66·3
GRAND TOTAL ... ..	26,754	Nil	400	27,154	100·00
PERCENTAGE OF TOTAL FOREST AREA ... ..	98·5	...	1·5	100·00	...

TABLE IA.

Volume of standing timber and increment in exploitable Forest as it stood pre-war in 1938.

(In thousands of cubic feet of round timber in true measure under bark.)

Class of Forest and Timber. (1)	Volume.		Gross annual increment.		Natural losses by fire, decay, insects, windfall, etc. (6)	Net Increment plus (col. 5 minus col. 6 minus col. 7 of Table II.) (7)
	per sq. mile. (2)	Total. (3)	Per sq. mile. (4)	Total. (5)		
STATE :						
(i) Softwoods ... ..	384	6,528	64	1,024	Unknown	Nil
(ii) Hardwoods ... ..	208	1,817,296	12·8	30,000	Unknown	Nil
Total ... ..	...	1,823,824	...	...	...	...
PRIVATE :						
(i) Softwoods ... ..	...	...	...	...	...	...
(ii) Hardwoods ... ..	128	51,200	Unknown	Unknown	Unknown	Nil
Total ... ..	...	51,200	...	...	...	...
GRAND TOTALS :						
(i) Softwoods ... ..	...	6,528	...	...	...	...
(ii) Hardwoods ... ..	...	1,868,496	...	...	Unknown	Nil
GRAND TOTAL ... ..	...	1,875,024	...	...	Unknown	Nil

## C. WOOD AND WOOD PRODUCTS.

## (i) Output :

Since 1923 the cutting of timber on Crown Lands for sawmilling has been under Working Plan Control. The purpose of these Working Plans has been to stabilise the Timber Industry to ensure continuity of operations, regular employment for the men engaged and long life for the timber trade, which has been such an important factor in the development of the South-West portion of this State.

The present Working Plans covering the three principal commercial species of timber, indicate that there is available for general sawmilling :—

Jarrah	....	....	676,500,000 cubic feet.
Karri	....	....	262,650,000 cubic feet.
Wandoo	....	....	19,000,000 cubic feet.

This volume on the basis of a 30 year cutting cycle will provide on Crown Lands, an annual cut of approximately thirty million cubic feet for general mills. At the end of 30 years, the balance of the period of 45 years for which provision was made under the original Working Plan, it is anticipated that a second cutting cycle, though perhaps with a somewhat reduced cut, can begin.

A separate Working Plan has been prepared for small mills engaged in the production of sleepers and provides for the cutting of a further six million cubic feet in the round annually from Crown Lands, which with the operations of the mills on private property and a limited amount of hewing, should bring the total cut of log timber in the State to approximately forty million cubic feet annually.

The State possesses no indigenous softwood forests and to meet local requirements in this direction a pine planting programme of approximately 1,000 acres per annum was in operation until during the war when planting operations had to be temporarily suspended. Only a very limited cut of timber has been available from this source to date.

In the following Table, details of the log production from all sources over a period of 12 years, are given. From this it will be seen that for the five years to 1938 the average log production was nearly 42½ million cubic feet or 2½ million cubic feet more than the anticipated annual production for the next 30 years. The production since 1938 has been seriously affected by the loss of manpower to military purposes, resulting in a falling off in the annual production until 1944-45 when it reached only 26,400,000 cubic feet, or about two-thirds of the planned production.

Western Australia is fortunate in having a surplus of timber production which is available for export to other States of the Commonwealth and which has in the past formed a valuable overseas export trade. For the 5 years ending 1938, the average home consumption of locally grown timber represented 53% of the total production and for the seven years since 1938, fifty-six per cent. of the production has been used within the State. It would appear, however, that with the return to normal conditions, approximately twenty million cubic feet of log timber will be required annually to meet the requirements of this State in sawn and hewn timber.

## Imports :

For the purpose of import and export statistics given in this report, shipments to and from the Eastern States of Australia are classed with those of overseas countries. A large percentage of the timber imported into Western Australia comes in the form of manufactured articles, most of which are obtained from the Eastern States of Australia.

Our principal hardwoods—Jarrah and Karri—have proved suitable for a very wide range of uses for which softwoods are considered necessary in other countries, and in consequence the consumption of softwoods in this State per capita is very much below the average for the Eastern States of Australia, and most other countries of the world. The average annual importation of softwood for the five years prior to the war was only slightly over one million cubic feet in the round, of which 348,000 cubic feet were obtained from Canada, 265,000 cubic feet from the Eastern States of Australia, and 136,000 cubic feet from the United States of America.

Detailed import tables covering the five-year period ending 1938, and separate tabulations for each year thereafter, are given below.

As only limited information is available on insurance and freight for derivative products, import values for both primary and derivative products are those recorded by the Commonwealth Bureau of Census and Statistics, namely, those at the port of shipment, plus 10 per cent.

## Exports :

In the following tables, information is given regarding the average annual exports for the five-year period ending 1938, and detailed information for each of the succeeding years. For the period prior to the war, this State was exporting annually, 47% of the timber produced, equivalent in log timber to 19,970,000 cubic feet. A very large proportion of the timber exported is in the form of railway sleepers, but during recent years, there has been an increasing demand for Jarrah and Karri for flooring, wagon scantling, telegraph arms, mining lift guides and other purposes. It will be seen from the returns that most of the timber exported, goes to countries within the British Empire, the largest buyers being the Eastern States of Australia, the United Kingdom, and the Union of South Africa.

The falling off in the overseas exports during the war period was due largely to the fact that all timber produced was subject to control by the Commonwealth Government and timber supplies in increasing quantities were being directed to the Eastern States of Australia to meet war requirements.

TABLE II.—LOG PRODUCTION—WESTERN AUSTRALIA.

1,000ft. Cubic True Volume Equivalent in Round.

Timber.	Average 5 years to 1938.	1938-39.	1939-40.	1940-41.	1941-42.	1942-43.	1943-44.	1944-45.
<i>Crown Logs.</i>								
Softwood—Total ... ..	45	54	124	129	150	166	64	70
Hardwood—For Sawing ...	24,901	27,019	25,490	25,827	25,468	22,905	21,934	21,772
For Hewing ...	3,766	2,174	2,046	2,133	1,019	533	254	128
For Goldfields Sleepers	171	132	315	80	455	98	100	123
Hardwood—Total ...	28,838	29,325	27,851	28,040	26,942	23,536	22,288	22,023
Total Crown ... ..	28,883	29,379	27,975	28,169	27,092	23,702	22,352	22,093
<i>Private Logs.</i>								
Softwood—Total ... ..	...	...	...	...	...	...	169	155
Hardwood—For Sawing ...	3,370	5,003	4,976	5,993	4,134	4,091	4,216	4,089
For Hewing ...	9,239	6,083	4,163	4,296	1,499	232	71	65
Hardwood—Total ... ..	13,609	11,086	9,139	10,289	5,633	4,323	4,287	4,154
Total Private ... ..	13,609	11,086	9,139	10,289	5,633	4,323	4,456	4,309
TOTALS—CROWN AND PRIVATE								
Softwoods ... ..	45	54	124	129	150	166	233	225
Hardwoods ... ..	42,447	40,411	36,990	38,329	32,725	28,025	26,575	26,177
GRAND TOTAL ... ..	42,492	40,465	37,114	38,458	32,875	28,191	26,808	26,402
VALUE OF TIMBER IN £ STERLING	£1,260,000	£1,344,000	£1,221,000	£1,337,000	£1,195,000	£1,198,000	£1,193,000	£1,202,000
<i>Roundwood (All Hardwood).</i>								
Crown ... ..	805	900	1,180	890	900	940	516	440
Private ... ..	85	465	496	476	693	440	400	302
Total—Roundwood ...	890	1,365	1,676	1,366	1,593	1,380	916	742
VALUE OF ROUNDWOOD IN £ STERLING ... ..	£60,000	£90,000	£110,000	£93,000	£116,000	£105,000	£62,000	£52,000
<i>Firewood (All Hardwood)</i> ...	17,740	19,530	15,310	14,810	12,900	*16,985	*18,760	*19,325
VALUE OF FIREWOOD IN £ STERLING ... ..	£553,000	£615,000	£476,000	£461,000	£400,000	£570,000	£560,000	£690,000
<i>Charcoal Wood (All Hardwood)</i>								
Crown ... ..	...	...	109	175	400	400	420	450
Private ... ..	...	...	266	665	2,640	5,270	5,270	5,270
TOTAL CHARCOAL WOOD ...	...	...	375	840	3,040	5,670	5,690	5,770
VALUE OF CHARCOAL WOOD IN £ STERLING ... ..	...	...	£450	£1,000	£3,000	£6,800	£6,800	£6,900

\*Includes Fuel Wood used by Mills.



TABLE III.

AVERAGE ANNUAL IMPORTS AND EXPORTS FOR THE FIVE YEARS ENDING 1938.

*Wood and Wood Products.*

Volumes in thousands of cubic feet, the equivalent of round timber, true measure under bark. Values in £ Sterling.

Category.	Gross Imports.		Gross Exports.		Average Net Imports (+), or Exports (-).	
	Thousands of cubic feet Round.	Value £ Sterling.	Thousands of cubic feet Round.	f.o.b. value £ Sterling.	Thousands of cubic feet.	Value £ Sterling.
<b>PRIMARY PRODUCTS—</b>						
<i>Softwoods.</i>						
Logs ... ..	...	...	...	...	...	...
Sleepers (sawn and hewn) ... ..	...	...	...	...	...	...
Other sawn and hewn timber ... ..	1,008	60,600	...	...	+ 1,008	+ 60,600
<b>TOTAL SOFTWOOD TIMBER ... ..</b>	<b>1,008</b>	<b>60,600</b>	<b>..</b>	<b>...</b>	<b>+ 1,008</b>	<b>+ 60,600</b>
Roundwood, Pulpwood, Firewood, Other ... ..	<i>Nil</i>	...	...	...	...	...
<b>TOTAL SOFTWOOD ... ..</b>	<b>1,008</b>	<b>60,600</b>	<b>..</b>	<b>...</b>	<b>+ 1,008</b>	<b>+ 60,600</b>
<i>Hardwoods.</i>						
Logs ... ..	...	223	1	50	— 1	+ 173
Sleepers (sawn and hewn) ... ..	...	...	10,391	234,300	— 10,397	— 234,300
Other sawn and hewn ... ..	268	9,237	9,512	315,300	— 9,244	— 306,063
<b>TOTAL HARDWOOD TIMBER ... ..</b>	<b>268</b>	<b>9,460</b>	<b>19,910</b>	<b>549,650</b>	<b>— 19,642</b>	<b>— 540,190</b>
Roundwood, Pulpwood, Firewood, Other ... ..	<i>Nil</i>	...	...	...	...	...
<b>TOTAL HARDWOOD ... ..</b>	<b>268</b>	<b>9,460</b>	<b>19,910</b>	<b>549,650</b>	<b>— 19,642</b>	<b>— 540,190</b>
<b>TOTAL PRIMARY PRODUCTS ... ..</b>	<b>1,276</b>	<b>70,160</b>	<b>19,910</b>	<b>549,650</b>	<b>— 18,634</b>	<b>— 479,490</b>
<b>DERIVATIVE PRODUCTS—</b>						
Veneers, Plywood and veneer products excluding Matches ... ..	...	31,460	...	...	...	+ 31,460
Matches ... ..	...	290	...	...	...	+ 290
Rayon Goods ... ..	...	97,720	...	...	...	+ 97,720
Paper and Pulp Products ... ..	...	355,850	...	29,980	...	+ 325,870
Furniture and Cabinet Ware ... ..	...	19,410	...	2,360	...	+ 17,050
Other Wooden Ware and Builders' Woodwork ... ..	...	63,100	...	44,440	...	+ 18,660
Charcoal ... ..	...	...	...	...	...	...
Distillation Products excluding Charcoal ... ..	...	...	...	...	...	...
<b>TOTAL DERIVATIVE PRODUCTS ... ..</b>	<b>...</b>	<b>567,830</b>	<b>..</b>	<b>76,780</b>	<b>...</b>	<b>+ 491,050</b>
<b>GRAND TOTAL ... ..</b>	<b>...</b>	<b>637,990</b>	<b>..</b>	<b>626,430</b>	<b>..</b>	<b>+ 11,560</b>

TABLE III.—*continued.*  
GROSS ANNUAL IMPORTS AND EXPORTS, 1938-39.

*Wood and Wood Products.*

Volumes in thousands of cubic feet, the equivalent of round timber, true measure under bark. Values in £ Sterling.

Category.	Imports.		Exports.		Net Imports(+), or Exports (-).	
	Thousands of cubic feet Round.	Value £ Sterling.	Thousands of cubic feet Round.	f.o.b. value £ Sterling.	Thousands of cubic feet.	Value £ Sterling.
<b>PRIMARY PRODUCTS—</b>						
<i>Softwoods.</i>						
Logs ... ..	...	...	...	...	...	...
Sleepers (sawn and hewn) ...	...	...	...	...	...	...
Other sawn and hewn Timber ...	*980	65,569	...	...	+ 980	+ 65,569
<b>TOTAL SOFTWOOD TIMBER ...</b>	<b>*980</b>	<b>65,569</b>	<b>...</b>	<b>...</b>	<b>+ 980</b>	<b>+ 65,569</b>
Roundwood, Pulpwood, Firewood,	<i>Nil</i>	...	...	...	...	...
<b>TOTAL SOFTWOOD ... ..</b>	<b>*980</b>	<b>65,569</b>	<b>...</b>	<b>...</b>	<b>+ 980</b>	<b>+ 65,569</b>
<i>Hardwoods.</i>						
Logs ... ..	...	...	...	...	...	...
Sleepers (sawn and hewn) ...	...	...	6,071	193,966	- 6,071	- 193,966
Other (sawn and hewn) ... ..	287	10,313	10,965	382,260	- 10,678	- 371,947
<b>TOTAL HARDWOOD TIMBER ...</b>	<b>287</b>	<b>10,313</b>	<b>17,036</b>	<b>576,226</b>	<b>- 16,749</b>	<b>- 565,913</b>
Roundwood, Pulpwood, Firewood,	<i>Nil</i>	...	...	...	...	...
<b>TOTAL HARDWOOD ... ..</b>	<b>287</b>	<b>10,313</b>	<b>17,036</b>	<b>576,226</b>	<b>- 16,749</b>	<b>- 565,913</b>
<b>TOTAL PRIMARY PRODUCTS ...</b>	<b>1,267</b>	<b>75,882</b>	<b>17,036</b>	<b>576,226</b>	<b>- 15,769</b>	<b>- 500,344</b>
<b>DERIVATIVE PRODUCTS—</b>						
Veneers, Plywoods and other veneer products excluding Matches	...	41,600	...	...	...	+ 41,600
Matches ... ..	...	...	...	...	...	...
Rayon Goods ... ..	...	91,800	...	...	...	+ 91,800
Paper and Pulp Products ... ..	...	366,400	...	40,430	...	+ 325,970
Furniture and Cabinet Ware ...	...	29,600	...	1,150	...	+ 28,450
Other Wooden Ware and Builders' Woodwork ... ..	...	56,100	...	†33,700	...	+ 22,400
Charcoal ... ..	...	...	...	...	...	...
Distillation Products excluding Charcoal	...	...	...	...	...	...
<b>TOTAL DERIVATIVE PRODUCTS</b>	<b>...</b>	<b>585,500</b>	<b>...</b>	<b>75,280</b>	<b>...</b>	<b>+ 510,220</b>
<b>GRAND TOTAL ... ..</b>	<b>...</b>	<b>661,400</b>	<b>...</b>	<b>651,530</b>	<b>...</b>	<b>+ 9,870</b>

\*Partial Estimate.

†Approximately £25,000 returns empty casks.

TABLE III.—*continued.*

## GROSS ANNUAL IMPORTS AND EXPORTS, 1939-40

*Wood and Wood Products.*

Volumes in thousands of cubic feet, the equivalent of round timber, true measure under bark. Values in £ Sterling.

Category.	Imports.		Exports.		Net Imports (+), or Exports (—).	
	Thousands of cubic feet Round.	Value £ Sterling.	Thousands of cubic feet Round.	f.o.b. value £ Sterling.	Thousands of cubic feet.	Value £ Sterling.
<b>PRIMARY PRODUCTS—</b>						
<i>Softwoods.</i>						
Logs ... ..	...	...	...	...	...	...
Sleepers ... ..	...	...	...	...	...	...
Other sawn ... ..	*1,127	71,100	1	180	+ 1,126	+ 70,920
TOTAL SOFTWOOD ... ..	*1,127	71,100	1	180	+ 1,126	+ 70,920
Roundwood, Pulpwood, Firewood ...	<i>Nil</i>	...	...	...	...	...
TOTAL SOFTWOOD TIMBER ...	*1,127	71,100	1	180	+ 1,126	+ 70,920
<i>Hardwoods.</i>						
Logs ... ..	...	400	...	...	...	+ 400
Sleepers (sawn and hewn) ... ..	...	...	5,912	190,923	— 5,912	— 190,923
Other (sawn and hewn) ... ..	150	6,900	9,190	314,127	— 9,040	— 307,227
TOTAL HARDWOOD TIMBER ...	150	7,300	15,102	505,050	— 14,952	— 497,750
Roundwood, Pulpwood, Firewood, Other ... ..	<i>Nil</i>	...	...	...	...	...
TOTAL HARDWOOD ... ..	150	7,300	15,102	505,050	— 14,952	— 497,750
TOTAL PRIMARY PRODUCTS ...	1,277	78,400	15,103	505,230	— 13,826	— 426,830
<b>DERIVATIVE PRODUCTS—</b>						
Veneers, Plywoods and other veneer products excluding Matches ... ..	...	42,730	...	...	...	— 42,730
Matches ... ..	...	...	...	...	...	...
Rayons ... ..	...	106,900	...	...	...	+ 106,900
Paper and Pulp Products ... ..	...	479,500	...	41,560	...	+ 437,940
Furniture and Cabinet Ware ... ..	...	23,500	...	4,140	...	+ 19,360
Other Wooden Ware ... ..	...	62,880	...	†46,100	...	+ 16,780
Charcoal ... ..	...	...	...	...	...	...
Distillation Products excluding Charcoal ...	...	...	...	...	...	...
TOTAL DERIVATIVE PRODUCTS ...	...	715,510	...	91,800	...	+ 623,710
GRAND TOTAL ... ..	...	793,910	...	597,030	...	+ 196,880

\*Part Estimate.

†£25,000 principally returns empty casks.

TABLE III.—*continued.*

## GROSS ANNUAL IMPORTS AND EXPORTS, 1939-40

*Wood and Wood Products.*

Volumes in thousands of cubic feet, the equivalent of round timber, true measure under bark. Values in £ Sterling.

Category.	Imports.		Exports.		Net Imports (+), or Exports (—).	
	Thousands of cubic feet Round.	Value £ Sterling.	Thousands of cubic feet Round.	f.o.b. value £ Sterling.	Thousands of cubic feet.	Value £ Sterling.
<b>PRIMARY PRODUCTS—</b>						
<i>Softwoods.</i>						
Logs ... ..	...	...	...	...	...	...
Sleepers ... ..	...	...	...	...	...	...
Other sawn ... ..	*1,127	71,100	1	180	+ 1,126	+ 70,920
TOTAL SOFTWOOD ... ..	*1,127	71,100	1	180	+ 1,126	+ 70,920
Roundwood, Pulpwood, Firewood ...	<i>Nil</i>	...	...	...	...	...
TOTAL SOFTWOOD TIMBER ...	*1,127	71,100	1	180	+ 1,126	+ 70,920
<i>Hardwoods.</i>						
Logs ... ..	...	400	...	...	...	+ 400
Sleepers (sawn and hewn) ... ..	...	...	5,912	190,923	— 5,912	— 190,923
Other (sawn and hewn) ... ..	150	6,900	9,190	314,127	— 9,040	— 307,227
TOTAL HARDWOOD TIMBER ...	150	7,300	15,102	505,050	— 14,952	— 497,750
Roundwood, Pulpwood, Firewood, Other ... ..	<i>Nil</i>	...	...	...	...	...
TOTAL HARDWOOD ... ..	150	7,300	15,102	505,050	— 14,952	— 497,750
TOTAL PRIMARY PRODUCTS ...	1,277	78,400	15,103	505,230	— 13,826	— 426,830
<b>DERIVATIVE PRODUCTS—</b>						
Veneers, Plywoods and other veneer products excluding Matches ... ..	...	42,730	...	...	...	— 42,730
Matches ... ..	...	...	...	...	...	...
Rayons ... ..	...	106,900	...	...	...	+ 106,900
Paper and Pulp Products ... ..	...	479,500	...	41,560	...	+ 437,940
Furniture and Cabinet Ware ... ..	...	23,500	...	4,140	...	+ 19,360
Other Wooden Ware ... ..	...	62,880	...	†46,100	...	+ 16,780
Charcoal ... ..	...	...	...	...	...	...
Distillation Products excluding Charcoal ...	...	...	...	...	...	...
TOTAL DERIVATIVE PRODUCTS ...	...	715,510	...	91,800	...	+ 623,710
GRAND TOTAL ... ..	...	793,910	...	597,030	...	+ 196,880

\*Part Estimate.

†£25,000 principally returns empty casks.

TABLE III.—*continued.*  
GROSS ANNUAL IMPORTS AND EXPORTS, 1940-41.

*Wood and Wood Products.*

Volumes in thousands of cubic feet, the equivalent of round timber, true measure under bark. Values in £ Sterling.

Category.	Imports.		Exports.		Net Imports(+), or Exports (-).	
	Thousands of cubic feet Round.	Value £ Sterling.	Thousands of cubic feet Round.	f.o.b. value £ Sterling.	Thousands of cubic feet.	Value £ Sterling.
<b>PRIMARY PRODUCTS—</b>						
<i>Softwoods.</i>						
Logs ... ..	...	...	...	...	...	...
Sleepers (sawn and hewn) ... ..	...	...	...	...	...	...
Other (sawn and hewn) ... ..	613	*61,000	...	70	+ 613	+ 60,930
<b>TOTAL SOFTWOOD TIMBER</b> ... ..	613	61,000	...	70	+ 613	+ 60,930
Roundwood, Pulpwood, Firewood, ... ..	...	...	...	...	...	...
Other ... ..	<i>Nil</i>	...	...	...	...	...
<b>TOTAL SOFTWOOD</b> ... ..	613	*61,000	...	70	+ 613	+ 60,930
<i>Hardwoods.</i>						
Logs ... ..	...	...	...	...	...	...
Sleepers (sawn and hewn) ... ..	...	...	7,332	235,200	— 7,332	— 235,200
Other (sawn and hewn) ... ..	27	1,040	11,098	397,400	— 11,071	— 396,360
<b>TOTAL HARDWOOD TIMBER</b> ... ..	27	1,040	18,430	632,600	— 18,403	— 631,560
Roundwood, Pulpwood, Firewood, ... ..	...	...	...	...	...	...
Other ... ..	<i>Nil</i>	...	...	...	...	...
<b>TOTAL HARDWOOD</b> ... ..	27	1,040	18,430	632,600	— 18,403	— 631,560
<b>TOTAL PRIMARY PRODUCTS</b> ... ..	640	62,040	18,403	632,670	— 17,790	— 570,630
<b>DERIVATIVE PRODUCTS—</b>						
Veneers, Plywoods and other veneer products excluding Matches ... ..	...	47,890	...	...	...	+ 47,890
Matches ... ..	...	...	...	...	...	...
Rayons ... ..	...	88,600	...	...	...	+ 88,600
Paper and Pulp Products ... ..	...	354,800 <sup>†</sup>	...	28,350	...	+ 326,450
Furniture and Cabinet Ware ... ..	...	20,360	...	11,880	...	+ 8,480
Other Wooden Ware ... ..	...	69,000	...	†18,070	...	+ 20,930
Charcoal ... ..	...	10	...	...	...	+ 10
Distillation Products excluding Charcoal ... ..	...	80	...	...	...	+ 80
<b>TOTAL DERIVATIVE PRODUCTS</b> ... ..	...	580,740	...	88,370	...	+ 492,440
<b>GRAND TOTAL</b> ... ..	...	642,800	...	720,970	...	— 78,190

\*Part Estimate. †£26,000 principally returns empty casks.

TABLE III.—*continued.*

## GROSS ANNUAL IMPORTS AND EXPORTS, 1941-1942.

*Wood and Wood Products.*

Volumes in thousands of cubic feet, the equivalent of round timber, true measure under bark. Values in £ Sterling.

Category.	Imports.		Exports.		Net Imports (+), or Exports (-)	
	Thousands of cubic feet Round.	Value £ Sterling.	Thousands of cubic feet Round.	f.o.b. value £ Sterling.	Thousands of cubic feet.	Value £ Sterling.
<b>PRIMARY PRODUCTS—</b>						
<i>Softwoods.</i>						
Logs ... ..	...	...	...	...	...	...
Sleepers ... ..	...	...	...	...	...	...
Other sawn ... ..	487	79,500	2	600	+ 485	+ 78,900
<b>TOTAL SOFTWOOD ... ..</b>	<b>487</b>	<b>79,500</b>	<b>2</b>	<b>600</b>	<b>+ 485</b>	<b>+ 78,900</b>
Roundwood, Pulpwood, Firewood						
Other ... ..	<i>Nil</i>	...	...	...	...	...
<b>TOTAL SOFTWOOD TIMBER ... ..</b>	<b>487</b>	<b>79,500</b>	<b>2</b>	<b>600</b>	<b>= 485</b>	<b>= 78,900</b>
<i>Hardwoods.</i>						
Logs ... ..	3	670	6	250	— 3	+ 420
Sleepers (sawn and hewn) ... ..	...	...	6,210	207,400	— 6,210	— 207,400
Other (sawn and hewn) ... ..	15	1,150	9,536	352,000	— 9,521	— 350,850
<b>TOTAL HARDWOOD TIMBER ... ..</b>	<b>18</b>	<b>1,820</b>	<b>15,752</b>	<b>559,650</b>	<b>— 15,734</b>	<b>— 557,830</b>
Roundwood, Pulpwood, Firewood, Other ... ..	<i>Nil</i>	...	...	...	...	...
<b>TOTAL HARDWOOD ... ..</b>	<b>18</b>	<b>1,820</b>	<b>15,752</b>	<b>559,650</b>	<b>— 15,734</b>	<b>— 557,830</b>
<b>TOTAL PRIMARY PRODUCTS ... ..</b>	<b>505</b>	<b>81,320</b>	<b>15,754</b>	<b>560,250</b>	<b>— 15,249</b>	<b>— 478,930</b>
<b>DERIVATIVE PRODUCTS—</b>						
Veneers, Plywoods and other veneer pro- ducts excluding Matches ... ..	...	49,900	...	...	...	+ 49,900
Matches ... ..	...	...	...	...	...	...
Rayons ... ..	...	85,790	...	...	...	+ 85,790
Paper and Pulp Products ... ..	...	363,980	...	13,750	...	+ 350,230
Furniture and Cabinet Ware ... ..	...	18,300	...	20,700	...	— 2,400
Other Wooden Ware ... ..	...	77,300	...	*30,960	...	+ 46,400
Charcoal ... ..	...	...	...	...	...	...
Distillation Products excluding Charcoal	...	...	...	...	...	...
<b>TOTAL DERIVATIVE PRODUCTS ... ..</b>	<b>...</b>	<b>585,270</b>	<b>...</b>	<b>65,350</b>	<b>...</b>	<b>+ 529,920</b>
<b>GRAND TOTAL ... ..</b>	<b>...</b>	<b>676,590</b>	<b>...</b>	<b>625,600</b>	<b>...</b>	<b>+ 50,990</b>

\*Principally returns empty casks.

TABLE III.—*continued.*  
GROSS ANNUAL IMPORTS AND EXPORTS, 1942-43.

*Wood and Wood Products.*

Volumes in thousands of cubic feet, the equivalent of round timber, true measure under bark. Values in £ Sterling.

Category.	Imports.		Exports.		Net Imports (+), or Exports (-).	
	Thousands of cubic feet Round.	Value £ Sterling.	Thousands of cubic feet Round.	f.o.b. value £ Sterling.	Thousands of cubic feet.	Value £ Sterling.
<b>PRIMARY PRODUCTS—</b>						
<i>Softwoods.</i>						
Logs ... ..	...	...	...	...	...	...
Sleepers (sawn and hewn) ... ..	...	...	...	...	...	...
Other (sawn and hewn) ... ..	205	40,900	...	...	+ 205	+ 40,900
<b>TOTAL SOFTWOOD TIMBER</b> ... ..	205	40,900	...	...	+ 205	+ 40,900
Roundwood, Pulpwood, Firewood, Other ... ..	<i>Nil</i>	...	...	...	...	...
<b>TOTAL SOFTWOOD</b> ... ..	205	40,900	...	...	+ 205	+ 40,900
<i>Hardwoods.</i>						
Logs ... ..	...	355	...	...	...	+ 355
Sleepers (sawn and hewn) ... ..	...	...	2,421	116,000	- 2,421	- 116,000
Other (sawn and hewn) ... ..	...	5	8,171	368,285	- 8,171	- 368,280
<b>TOTAL HARDWOOD TIMBER</b> ... ..	...	360	10,592	484,285	- 10,592	- 483,925
Roundwood, Pulpwood, Firewood, Other ... ..	<i>Nil</i>	...	...	...	...	...
<b>TOTAL HARDWOOD</b> ... ..	...	360	10,592	484,285	- 10,592	- 483,925
<b>TOTAL PRIMARY PRODUCTS</b> ... ..	205	41,260	10,592	484,285	- 10,387	- 443,025
<b>DERIVATIVE PRODUCTS—</b>						
Veneers, Plywoods and other veneer pro- ducts excluding Matches ... ..	...	28,850	...	...	...	+ 28,850
Matches ... ..	...	...	...	...	...	...
Rayons ... ..	...	122,800	...	...	...	+ 122,800
Paper and Pulp Products ... ..	...	401,930	...	10,860	...	+ 391,070
Furniture and Cabinet Ware ... ..	...	4,400	...	7,800	...	- 3,400
Other Wooden Ware ... ..	...	56,200	...	*18,200	...	+ 38,000
Charcoal ... ..	...	...	...	...	...	...
Distillation Products excluding Charcoal ... ..	...	...	...	...	...	...
<b>TOTAL DERIVATIVE PRODUCTS</b> ... ..	...	614,180	...	36,860	...	+ 527,320
<b>GRAND TOTAL</b> ... ..	...	655,440	...	521,145	...	+ 134,295

\*Principally returns empty casks.

TABLE III.—*continued.*  
GROSS ANNUAL IMPORTS AND EXPORTS, 1943-44.

*Wood and Wood Products.*

Volumes in thousands of cubic feet, the equivalent of round timber, true measure under bark. Values in £ Sterling.

Category.	Imports.		Exports.		Net Imports(+), or Exports (-).	
	Thousands of cubic feet Round.	Value £ Sterling.	Thousands of cubic feet Round.	f.o.b. value £ Sterling.	Thousands of cubic feet.	Value £ Sterling.
<b>PRIMARY PRODUCTS—</b>						
<i>Softwoods.</i>						
Logs ... ..	...	...	...	...	...	...
Sleepers (sawn and hewn) ... ..	...	...	...	...	...	...
Other (sawn and hewn) ... ..	161	36,752	...	...	+ 161	+ 36,752
TOTAL SOFTWOOD TIMBER ... ..	161	36,752	...	...	+ 161	+ 36,752
Roundwood, Pulpwood, Firewood, ... ..	<i>Nil</i>	...	...	...	...	...
TOTAL SOFTWOOD ... ..	161	36,752	...	...	+ 161	+ 36,752
<i>Hardwoods.</i>						
Logs ... ..	*3	919	...	...	+ 3	+ 919
Sleepers (sawn and hewn) ... ..	...	...	2,319	106,500	— 2,319	— 106,500
Other (sawn and hewn) ... ..	*5	67	8,651	384,700	— 8,646	— 384,633
TOTAL HARDWOOD TIMBER ... ..	8	986	10,970	491,200	— 10,962	— 490,214
Roundwood, Pulpwood, Firewood, Other ... ..	<i>Nil</i>	...	...	...	...	...
TOTAL HARDWOOD ... ..	8	986	10,970	491,200	— 10,962	— 490,214
TOTAL PRIMARY PRODUCTS ... ..	169	37,738	10,970	491,200	— 10,801	— 453,462
<b>DERIVATIVE PRODUCTS—</b>						
Veneers, Plywoods and other veneer products excluding Matches ... ..	...	14,000	...	...	...	+ 14,000
Matches ... ..	...	...	...	...	...	...
Rayons ... ..	...	148,930	...	...	...	+ 148,930
Paper and Pulp Products ... ..	...	487,460	...	10,015	...	+ 477,445
Furniture and Cabinet Ware ... ..	...	6,560	...	120	...	+ 6,440
Other Wooden Ware ... ..	...	61,600	...	†20,140	...	+ 41,460
Charcoal ... ..	...	...	...	...	...	...
Distillation Products excluding Charcoal ... ..	...	...	...	...	...	...
TOTAL DERIVATIVE PRODUCTS ... ..	...	718,550	...	30,275	...	+ 688,275
GRAND TOTAL ... ..	...	756,288	...	521,475	...	+ 234,813

\*Estimate.

†Mainly return empty casks.



TABLE III.—*continued.*  
GROSS ANNUAL IMPORTS AND EXPORTS, 1944-45.

*Wood and Wood Products.*

Volumes in thousands of cubic feet, the equivalent of round timber, true measure under bark. Values in £ Sterling.

Category.	Imports.		Exports.		Net Imports (+), or Exports (—)	
	Thousands of cubic feet Round.	Value £ Sterling.	Thousands of cubic feet Round.	f.o.b. value £ Sterling.	Thousands of cubic feet.	Value £ Sterling.
<b>PRIMARY PRODUCTS—</b>						
<i>Softwoods.</i>						
Logs ... ..	...	...	...	...	...	...
Sleepers (sawn and hewn) ... ..	...	...	...	...	...	...
Other (sawn and hewn) ... ..	140	20,180	...	...	+ 140	+ 20,180
TOTAL SOFTWOOD ... ..	140	20,180	...	...	+ 140	+ 20,180
Roundwood, Pulpwood, Firewood ...	<i>Nil</i>					
TOTAL SOFTWOOD TIMBER ... ..	140	20,180	..	..	+ 140	+ 20,180
<i>Hardwoods.</i>						
Logs ... ..	1	720	...	...	+ 1	+ 720
Sleepers (sawn and hewn) ... ..	...	...	1,445	81,400	— 1,445	— 81,400
Other (sawn and hewn) ... ..	...	...	7,125	374,600	— 7,125	— 374,600
TOTAL HARDWOOD TIMBER ... ..	1	720	8,570	456,000	— 8,569	— 455,280
Roundwood, Pulpwood, Firewood, Other ... ..	<i>Nil</i>	..	...	...	...	...
TOTAL HARDWOOD ... ..	1	720	8,570	456,000	— 8,569	— 455,280
TOTAL PRIMARY PRODUCTS ... ..	141	20,900	8,570	456,000	— 8,429	— 435,100
<b>DERIVATIVE PRODUCTS—</b>						
Veneers, Plywoods and other veneer pro- ducts excluding Matches ... ..	...	22,725	...	...	...	+ 22,725
Matches ... ..	...	...	...	...	...	...
Rayons ... ..	...	155,360	...	...	...	+ 155,360
Paper and Pulp Products ... ..	...	577,250	...	17,655	...	+ 559,595
Furniture and Cabinet Ware ... ..	...	9,400	...	4,026	...	+ 5,374
Other Wooden Ware ... ..	...	66,070	...	*17,819	...	+ 48,251
Builder's Woodwork ... ..	...	...	...	...	...	...
Charcoal ... ..	...	...	...	...	...	...
Distillation Products ... ..	...	...	...	...	...	...
TOTAL DERIVATIVE PRODUCTS ... ..	...	830,800	..	39,500	...	+ 791,305
GRAND TOTAL ... ..	...	851,700	...	495,505	...	+ 356,205

\*Principally returns empty casks.

TABLE IIIA.  
AVERAGE IMPORTS—5 YEARS ENDING 1938.

Category.	Sources.															
	Commonwealth of Australia.		Canada.		U.S.A.		Scandinavia.		United Kingdom.		Europe.		Philippines and British Malaya.		Other.	
	Vol.	Value.	Vol.	Value.	Vol.	Value.	Vol.	Value.	Vol.	Value.	Vol.	Value.	Vol.	Value.	Vol.	Value.
<b>PRIMARY PRODUCTS—</b>																
<i>Softwoods.</i>																
Logs, Sleepers, Roundwood, Pulpwood, Firewood	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sawn Timber	*265	20,600	348	15,700	136	10,300	164	7,400	...	Included under "Other"	...	...	40	1,700	55	4,900
TOTAL SOFTWOOD	265	20,600	348	15,700	136	10,300	164	7,400	...	...	...	...	40	1,700	55	4,900
<i>Hardwoods.</i>																
Logs, Roundwood, Pulpwood, Firewood	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sleepers	268	9,460	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sawn Timber	268	9,460	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTAL HARDWOOD	533	20,060	348	15,700	136	10,300	164	7,400	...	Included under "Other"	...	...	40	1,700	55	4,900
TOTAL PRIMARY PRODUCTS																
<b>DERIVATIVE PRODUCTS—</b>																
Veneers, Plywood, etc.	...	30,600	...	40	...	140	...	30	...	50	...	20	...	...	...	1,580
Rayon Goods	...	3,100	...	420	...	370	...	...	...	33,400	...	9,950	...	...	...	50,480
Paper and Pulp Products	...	179,600	...	25,350	...	5,540	...	17,490	...	115,820	...	10,600	...	...	...	1,450
Furniture and Cabinet Ware	...	16,400	...	100	...	440	...	20	...	1,950	...	160	...	...	...	340
Other Wooden Ware	...	49,100	...	1,030	...	3,270	...	5,090	...	1,350	...	2,950	...	...	...	310
Charcoal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Distillation Products	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTAL DERIVATIVE PRODUCTS	...	278,800	...	26,940	...	9,760	...	22,630	...	152,570	...	23,680	...	...	...	58,160
<b>GRAND TOTAL</b>	...	308,860	...	42,600	...	20,100	...	30,000	...	152,600	...	23,700	...	1,700	...	58,100

\*Part Estimate.

†Includes New Zealand £3,800.

‡Includes Japan, £49,700.

TABLE IIIA.—*continued.*  
 GROSS ANNUAL IMPORTS FROM DIFFERENT SOURCES—1938-39.  
*Wood and Wood Products.*

Volumes in thousands of cubic feet, (equivalent Round Timber). Values in £ Sterling.

Category.	Sources.													
	Commonwealth of Australia.		Canada.		U.S.A.		Scandinavia.		United Kingdom.		Philippines and British Malaya.		Other.	
	Vol.	Value.	Vol.	Value.	Vol.	Value.	Vol.	Value.	Vol.	Value.	Vol.	Value.	Vol.	Value.
<b>PRIMARY PRODUCTS—</b>														
<i>Softwoods.</i>														
Logs, Sleepers, Roundwood, Pulpwood, Firewood ...	Nil	24,700	500	22,200	116	0,200	120	0,800	...	...	35	1,500	...	1,200
Sawn Timber ...	*180								Included under "Other"				20	
TOTAL SOFTWOOD ...	*180	24,700	500	22,200	116	0,200	120	0,800	...	...	35	1,500	20	1,200
<i>Hardwoods.</i>														
Logs, Roundwood, Pulpwood, Firewood	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...
Sleepers (sawn and hewn) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other (sawn and hewn) ...	387	10,300	...	...	...	...	...	...	...	...	...	...	...	...
TOTAL HARDWOOD ...	287	10,300	...	...	...	...	...	...	...	...	...	...	...	...
TOTAL PRIMARY PRODUCTS	467	35,000	500	22,200	116	0,200	120	0,800	...	...	35	1,500	20	1,200
<b>DERIVATIVE PRODUCTS—</b>														
Veneers, Plywood, etc. ...	...	60,000	...	40	...	...	...	50	...	...	...	...	...	550
Rayon Goods ...	...	2,700	...	2,000	...	100	...	...	...	...	...	...	...	456,600
Paper and Pulp Products ...	...	202,000	...	46,000	...	8,500	...	14,200	...	...	...	...	...	15,000
Furniture and Cabinet Ware ...	...	26,100	...	400	...	700	...	100	...	...	...	...	...	2,800
Other Wooden Ware ...	...	44,700	...	800	...	2,700	...	3,100	...	...	...	...	...	...
Charcoal ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Distillation Products ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTAL DERIVATIVE PRODUCTS	...	316,100	...	49,850	...	12,000	...	18,150	...	...	...	100	...	74,950
GRAND TOTAL ...	...	351,100	...	72,050	...	21,200	...	24,950	...	...	...	1,000	...	76,150

\*Part Estimate.

†Includes Japan, £37,600.

TABLE IIIA.—continued.  
IMPORTS, 1939-40.

Category.	Sources.															
	Commonwealth of Australia.		Canada.		U.S.A.		Scandinavia.		Europe.		United Kingdom.		Philippines and British Malaya.		Other.	
	Vol.	Value.	Vol.	Value.	Vol.	Value.	Vol.	Value.	Vol.	Value.	Vol.	Value.	Vol.	Value.	Vol.	Value.
<b>PRIMARY PRODUCTS—</b>																
<i>Softwoods—</i>																
Logs, Sleepers, Roundwood, Pulpwood, Firewood ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sawn Timber ...	*443	37,520	538	22,900	69	5,600	33	2,400	...	included under "Other"	...	...	26	1,150	18	1,500
TOTAL SOFTWOOD ...	*443	37,520	538	22,900	69	5,600	33	2,400	...	...	...	26	1,150	18	1,500	
<i>Hardwoods.</i>																
Logs ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Roundwood, Pulpwood, Firewood	...	400	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sleepers (sawn and hewn)	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other (sawn and hewn)	150	6,900	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTAL HARDWOOD ...	150	7,300	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTAL PRIMARY PRODUCTS ...	593	44,820	538	22,900	69	5,600	33	2,400	...	...	...	26	1,150	18	1,500	
<b>DERIVATIVE PRODUCTS—</b>																
Veneers, Plywood, etc. ...	...	42,300	...	150	...	60	...	...	...	10,780	...	42,770	...	...	...	45,160
Rayon Goods ...	...	6,900	...	1,040	...	270	...	...	...	11,160	...	99,150	...	...	...	1,950
Paper and Pulp Products ...	...	235,200	...	101,200	...	8,340	...	22,510	...	...	...	1,110	...	...	...	190
Furniture and Cabinet Ware ...	...	21,500	...	160	...	500	...	30	...	3,100	...	2,490	...	200	...	1,850
Other Wooden Ware ...	...	47,600	...	2,080	...	2,850	...	2,710	...	...	...	...	...	...	...	...
Charcoal ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Distillation Products ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTAL DERIVATIVE PRODUCTS ...	...	353,500	...	104,630	...	12,020	...	25,250	...	25,040	...	145,520	...	200	...	49,150
GRAND TOTAL ...	...	398,320	...	127,500	...	17,600	...	27,650	...	25,040	...	145,520	...	1,350	...	50,650

\*Part Estimate.

†Includes Japan, £39,000.

TABLE IIIa.—continued.  
IMPORTS, 1940-41.

Category.	Commonwealth of Australia.		Canada.		U.S.A.		United Kingdom.		Philippines and British Malaya.		Other.	
	Vol.	Value.	Vol.	Value.	Vol.	Value.	Vol.	Value.	Vol.	Value.	Vol.	Value.
<b>PRIMARY PRODUCTS—</b>												
<i>Softwoods.</i>												
Logs, Sleepers, Roundwood, Pulpwood, Firewood ...	Nil	52,200	...	6,050	...	990	...	...	...	...	...	...
Sawn Timber ...	*428	...	136	...	4	...	...	...	40	1,320	5	450
TOTAL SOFTWOOD ...	428	52,200	136	6,050	4	990	Included under 'Other'	...	40	1,320	5	450
<i>Hardwoods.</i>												
Logs, Roundwood, Pulpwood, Firewood ...	Nil	...	...	...	...	...	...	...	...	...	...	...
Sleepers (sawn and hewn) ...	...	1,040	...	...	...	...	...	...	...	...	...	...
Other (sawn and hewn) ...	27	...	...	...	...	...	...	...	...	...	...	...
TOTAL HARDWOOD ...	27	1,040	...	...	...	...	...	...	...	...	...	...
TOTAL PRIMARY PRODUCTS ...	455	53,240	136	6,050	4	990	...	...	40	1,320	5	450
<b>DERIVATIVE PRODUCTS—</b>												
Veneers, Plywood, etc. ...	...	47,890	...	...	...	...	...	...	...	...	...	...
Rayon Goods ...	...	10,000	...	1,100	...	260	...	42,800	...	...	...	34,400
Paper and Pulp Products ...	...	197,000	...	44,600	...	6,600	...	102,800	...	...	...	3,800
Furniture and Cabinet Ware ...	...	18,840	...	...	...	60	...	...	...	40	...	1,430
Other Wooden Ware ...	...	66,170	...	...	...	530	...	...	...	190	...	2,110
Charcoal ...	...	...	...	...	...	...	...	...	...	...	...	...
Distillation Products ...	...	...	...	...	...	...	...	...	...	...	...	...
TOTAL DERIVATIVE PRODUCTS ...	...	339,900	...	45,700	...	7,450	...	145,600	...	230	...	41,740
GRAND TOTAL ...	...	393,140	...	51,750	...	8,440	...	145,600	...	1,550	...	42,190

\*Part Estimate. †Includes Japan, £29,000.

TABLE IIIA.—continued.  
IMPORTS 1941-42.

Category.	Sources.											
	Commonwealth of Australia.		Canada.		U.S.A.		United Kingdom.		Philippines and British Malaya.		Other.	
	Vol.	Value.	Vol.	Value.	Vol.	Value.	Vol.	Value.	Vol.	Value.	Vol.	Value.
<b>PRIMARY PRODUCTS—</b>												
<i>Softwoods.</i>												
Logs, Sleepers, Roundwood, Pulpwood, Firewood ...	Nil	75,300	35	2,200	1	150	Included under 'Other'	13	900	8	900	
Sawn Timber ...	430	75,300	35	2,200	1	150	...	13	900	8	900	
TOTAL SOFTWOOD ...	430	75,300	35	2,200	1	150	...	13	900	8	900	
<i>Hardwoods.</i>												
Logs ...	3	670	...	...	...	...	...	...	...	...	...	...
Sawn Timber ...	19	1,150	...	...	...	...	...	...	...	...	...	...
Sleepers, Roundwood, Pulpwood, Firewood	Nil	...	...	...	...	...	...	...	...	...	...	...
TOTAL HARDWOOD ...	22	1,820	...	...	...	...	...	...	...	...	...	...
TOTAL PRIMARY PRODUCTS ...	452	77,120	35	2,200	1	150	...	13	900	8	900	
<b>DERIVATIVE PRODUCTS—</b>												
Veneers, Plywood, etc. ...	...	49,900	...	...	...	...	...	...	...	...	...	...
Rayon Goods ...	...	10,200	...	1,180	...	440	65,500	...	...	...	18,470	...
Paper and Pulp Products ...	...	274,320	...	39,300	...	3,000	47,100	...	...	...	260	...
Furniture and Cabinet Ware ...	...	17,000	...	...	...	...	...	...	20	...	1,300	...
Other Wooden Ware ...	...	*75,400	...	40	...	230	...	...	310	...	1,300	...
Charcoal ...	...	...	...	...	...	...	...	...	...	...	...	...
Distillation Products ...	...	...	...	...	...	...	...	...	...	...	...	...
TOTAL DERIVATIVE PRODUCTS ...	...	426,820	...	40,520	...	3,670	112,600	...	350	...	11,330	...
GRAND TOTAL ...	...	503,940	...	42,720	...	3,820	112,600	...	1,250	...	12,230	...

£2,500 produce of Australia, previously exported, now returned to this State. †Includes Japan, £7,760.

TABLE IIIA.—*continued.*  
IMPORTS, 1942-43.

Source:

Category.	Commonwealth of Australia.		Canada.		U.S.A.		United Kingdom.		Other.	
	Vol.	Value.	Vol.	Value.	Vol.	Value.	Vol.	Value.	Vol.	Value.
<b>PRIMARY PRODUCTS—</b>										
<i>Softwoods.</i>										
Logs, Sleepers, Roundwood, Pulpwood, Firewood ...	Nil	...	...	...	...	...	...	...	...	...
Sawn Timber ...	196	39,200	4	1,130	4	260	...	Include under 'Other'	...	280
<b>TOTAL SOFTWOOD</b> ...	196	39,200	4	1,130	4	260	...	...	...	280
<i>Hardwoods.</i>										
Logs, Roundwood, Pulpwood, Firewood ...	Nil	...	...	...	...	...	...	...	...	...
Sleepers (sawn and hewn) ...	...	400	...	...	...	...	...	...	...	...
Other (sawn and hewn) ...	...	400	...	...	...	...	...	...	...	...
<b>TOTAL HARDWOOD</b> ...	...	400	...	...	...	...	...	...	...	...
<b>TOTAL PRIMARY PRODUCTS</b> ...	196	39,600	4	1,130	4	260	...	...	...	280
<b>DERIVATIVE PRODUCTS—</b>										
Veneers, Plywood, etc. ...	...	28,849	...	...	...	...	...	...	...	...
Rayon Goods ...	...	18,500	...	1,250	...	170	...	102,850	...	20
Paper and Pulp Products ...	...	363,850	...	2,160	...	2,550	...	32,500	...	870
Furniture and Cabinet Ware ...	...	4,401	...	...	...	80	...	...	...	25
Other Wooden Ware ...	...	55,800	...	...	...	...	...	...	...	320
Charcoal ...	...	...	...	...	...	...	...	...	...	...
Distillation Products ...	...	...	...	...	...	...	...	...	...	...
<b>TOTAL DERIVATIVE PRODUCTS</b> ...	...	471,400	...	3,410	...	2,800	...	135,350	...	1,235
<b>GRAND TOTAL</b> ...	...	511,000	...	4,540	...	3,060	...	135,350	...	1,515

TABLE IIIA.—continued.

## IMPORTS FROM VARIOUS SOURCES, 1943-44.

Volumes in thousands cubic feet Round Timber, true measure under bark. Values in £ Sterling.

Category.	Sources.											
	Commonwealth of Australia.		United Kingdom.		U.S.A.		China.		Canada.		Other.	
	Vol.	Value.	Vol.	Value.	Vol.	Value.	Vol.	Value.	Vol.	Value.	Vol.	Value.
<b>PRIMARY PRODUCTS—</b>												
<i>Softwoods.</i>												
Logs, Sleepers, Roundwood, Pulpwood, Firewood ...	...	NH	...	...	...	...	...	...	...	...	...	...
Sawn Timber ...	166	36,900	3	60	...	...	...	...	...	...	...	735
TOTAL SOFTWOOD ...	166	36,900	3	60	...	...	...	...	...	...	...	735
<i>Hardwoods.</i>												
Logs ...	3	919	...	...	...	...	...	...	...	...	...	...
Sleepers, Roundwood, Pulpwood, Firewood ...	...	NH	...	...	...	...	...	...	...	...	...	...
Sawn Timber ...	...	67	...	...	...	...	...	...	...	...	...	...
TOTAL HARDWOOD ...	3	986	...	...	...	...	...	...	...	...	...	...
TOTAL PRIMARY PRODUCTS ...	169	37,886	3	60	...	...	...	...	...	...	...	735
<b>DERIVATIVE PRODUCTS—</b>												
Veneers, Plywoods, etc. ...	...	14,030	...	...	...	...	...	...	...	...	...	...
Matches ...	...	6,180	...	...	...	...	...	...	...	...	...	...
Rayon Goods ...	...	398,590	...	140,234	...	...	...	...	...	...	...	...
Paper and Pulp Products ...	...	6,220	...	43,810	...	...	...	...	...	...	...	...
Furniture and Cabinet Ware ...	...	61,360	...	7	...	...	...	...	...	...	...	...
Other Wooden Ware ...	...	...	...	17	...	...	...	...	...	...	...	...
Charcoal ...	...	...	...	...	...	...	...	...	...	...	...	...
Distillation Products ...	...	...	...	...	...	...	...	...	...	...	...	...
TOTAL DERIVATIVE PRODUCTS ...	...	486,380	...	184,068	...	...	...	...	...	906	...	10,679
GRAND TOTAL ...	...	524,270	...	184,070	...	...	...	...	...	906	...	10,679



TABLE IIIA.—Continued.  
IMPORTS, 1944-45.

Category.	Sources.												
	Commonwealth of Australia.		Canada.		U.S.A.		United Kingdom.		Other.				
	Vol.	Value.	Vol.	Value.	Vol.	Value.	Vol.	Value.	Vol.	Value.			
<b>PRIMARY PRODUCTS—</b>													
<i>Softwoods.</i>													
Logs, Sleepers, Roundwood, Pulpwood, Firewood	Nil	17,800	31	2,000	4	140	...	...	...	...	...	...	...
Sawn Timber	104	17,800	31	2,000	4	140	...	...	1	600	...	600	...
TOTAL SOFTWOOD	104	17,800	31	2,000	4	140	...	...	1	600	...	600	...
<i>Hardwoods.</i>													
Logs, Roundwood, Pulpwood, Firewood	...	30	...	...	...	...	...	...	...	...	...	...	...
Sleepers (sawn and hewn)	...	...	...	...	...	...	...	...	...	...	...	...	...
Other (sawn and hewn)	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTAL HARDWOOD	...	30	...	...	...	...	...	...	...	...	...	...	...
TOTAL PRIMARY PRODUCTS	104	17,830	31	2,000	4	140	...	...	2	1,280	...	1,280	...
<b>DERIVATIVE PRODUCTS—</b>													
Veneers, Plywoods, etc.	...	22,725	...	...	...	...	...	...	...	...	...	...	...
Rayon Goods	...	12,840	...	...	...	...	...	...	...	...	...	...	...
Paper and Pulp Products	...	405,860	...	80,050	...	41,210	...	142,460	...	970	...	970	...
Furniture and Cabinet Ware	...	9,315	...	...	...	77	...	49,160	...	7	...	7	...
Other Wooden Ware	...	65,700	...	...	...	128	...	...	...	248	...	248	...
Charcoal	...	...	...	...	...	...	...	...	...	...	...	...	...
Distillation Products	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTAL DERIVATIVE PRODUCTS	...	516,440	...	80,050	...	41,470	...	191,620	...	1,225	...	1,225	...
GRAND TOTAL	...	534,270	...	82,050	...	41,610	...	191,620	...	2,505	...	2,505	...

TABLE IIIr.

## EXPORTS—AVERAGE FOR FIVE YEARS ENDED, 1938 (1)

Volumes in thousands of cubic feet of Round Timber in true measure under bark. Value in £ Sterling.

Category.	Destinations.													
	Commonwealth of Australia.		United Kingdom.		New Zealand.		South Africa.		Egypt.		Ceylon.		Europe.	
	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.
<b>PRIMARY PRODUCTS—</b>														
<i>Softwoods</i> ... ..	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...	...
<i>Hardwoods</i>														
Logs, Roundwood, Pulpwood, Firewood	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...	...
Sleepers (sawn and hewn)	1,538	33,200	156	3,700	...	42,500	1,533	35,100	...	908	21,000	...	...	...
Other (sawn and hewn)	3,942	129,000	2,892	96,000	570	18,400	1,059	34,800	49	1,600	6,600	346	8,000	8,000
<b>TOTAL HARDWOODS</b> ... ..	5,480	162,200	3,048	99,700	570	18,400	2,962	77,300	1,582	36,700	27,700	346	8,000	8,000
<b>TOTAL PRIMARY PRODUCTS</b> ... ..	5,480	162,200	3,048	99,700	570	18,400	2,962	77,300	1,582	36,700	27,700	346	8,000	8,000
<b>DERIVATIVE PRODUCTS—</b>														
Veneers, Plywoods, etc.	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...	...
Matchboxes	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rayon Goods	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Paper and Pulp Products	...	29,180	...	580	...	...	...	...	...	...	...	...	...	...
Furniture and Cabinet Ware	...	2,300	...	400	...	...	...	...	...	...	...	...	...	...
Other Wooden Ware	...	*44,000	...	...	...	...	...	...	...	...	...	...	...	...
Charcoal	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Distillation Products	...	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>TOTAL DERIVATIVE PRODUCTS</b> ... ..	...	75,480	...	980	...	...	...	...	...	...	...	...	...	...
<b>GRAND TOTAL</b> ... ..	5,480	237,680	3,048	100,680	570	18,400	2,962	77,300	1,582	36,700	27,700	346	8,000	8,000

\*Principally returns empty casks.

TABLE IIIb.—*continued*.

EXPORTS—AVERAGE FOR FIVE YEARS ENDED 1938 (2).

Volumes in thousands of cubic feet of Round Timber in true measure under bark. Value in £ Sterling.

Category.	Destinations.												
	Iraq.		Hong Kong and China.		Mauritius.		Portuguese East Africa.		Iran.		Other.		
	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	
<b>PRIMARY PRODUCTS—</b>													
<i>Softwoods.</i> ... ..	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...
<i>Hardwoods.</i>													
Logs, Roundwood, Pulpwood, Firewood ...	1,465	32,900	2,129	48,600	181	4,200	134	3,000	323	7,200	131	2,700	
Sleepers (sawn and hewn) ... ..	11	400	83	2,600	92	3,600	172	5,600	...	...	92	3,200	
Other (sawn and hewn) ... ..	...	...	...	...	...	...	...	...	...	...	...	...	
<b>TOTAL HARDWOODS</b> ... ..	1,476	33,300	2,212	51,200	273	7,800	306	8,600	323	7,200	223	5,900	
<b>TOTAL PRIMARY PRODUCTS</b> ... ..	1,476	33,300	2,212	51,200	273	7,800	306	8,600	323	7,200	223	5,900	
<b>DERIVATIVE PRODUCTS—</b>													
Veneers, Plywoods, etc. ... ..	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...
Matches ... ..	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...
Rayon Goods ... ..	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...
Paper and Pulp Products ... ..	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...
Furniture and Cabinet Ware ... ..	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...
Other Wooden Ware ... ..	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...
Charcoal ... ..	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...
Distillation Products ... ..	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...
<b>TOTAL DERIVATIVE PRODUCTS</b> ... ..	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...
<b>GRAND TOTAL</b> ... ..	1,476	33,300	2,212	51,200	273	7,800	306	8,600	323	7,200	223	6,150	

TABLE IIIa.—continued.

## GROSS ANNUAL EXPORTS TO VARIOUS DESTINATIONS, 1938-39.

Volumes in thousands of cubic feet, equivalent Round Timber, true measure under bark. Value in £ Sterling.

Category.	Destinations.																	
	Commonwealth of Australia.		United Kingdom.		New Zealand.		South Africa.		Egypt.		Ceylon.		Europe.		Other.			
	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.		
<b>PRIMARY PRODUCTS—</b>																		
<i>Softwoods</i> ... ..	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
<i>Hardwoods.</i>																		
Logs, Roundwood, Pulpwood, Firewood ... ..	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Sleepers (sawn and hewn) ... ..	456	14,100	344	11,000	1,380	44,000	1,235	39,500	1,049	33,600	1,333	42,700	Nil	Nil	273	9,300		
Other (sawn and hewn) ... ..	4,420	158,000	2,703	89,800	1,167	37,400	1,588	53,600	180	5,700	129	4,100	533	25,400	246	9,100		
TOTAL HARDWOODS ... ..	4,876	172,100	3,047	100,800	2,547	81,400	2,823	93,100	1,229	39,300	1,462	46,800	533	25,400	519	18,400		
TOTAL PRIMARY PRODUCTS ... ..	4,876	172,100	3,047	100,800	2,547	81,400	2,823	93,100	1,229	39,300	1,462	46,800	533	25,400	519	18,400		
<b>DERIVATIVE PRODUCTS—</b>																		
Veneers, Plywoods, etc. ... ..	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Matches ... ..	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Rayons ... ..	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Paper and Pulp Products ... ..	...	39,175	...	994	...	...	...	...	...	...	...	...	...	...	...	...	...	
Furniture and Cabinet Ware ... ..	...	1,107	...	14	...	...	...	...	...	...	...	...	...	...	...	...	...	
Other Wooden Ware ... ..	...	*33,273	...	400	...	...	...	...	...	...	...	...	...	...	...	...	...	
Charcoal ... ..	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Distillation Products ... ..	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
TOTAL DERIVATIVE PRODUCTS ... ..	...	73,555	...	1,408	...	...	...	...	...	...	...	...	...	...	...	...	257	
GRAND TOTAL ... ..	4,876	245,655	3,047	102,208	2,547	81,400	2,823	93,120	1,229	39,300	1,462	46,800	533	25,400	519	18,657		

\*£25,000, principally empty returns, casks.

TABLE III.—continued.

GROSS ANNUAL EXPORTS TO VARIOUS DESTINATIONS, 1939-40.

Volumes in thousands of cubic feet, equivalent Round Timber, true measure under bark. Value in £ Sterling.

Category.	Destinations.															
	Commonwealth of Australia.		United Kingdom.		New Zealand.		Union of South Africa.		Egypt.		Ceylon.		Europe.		Other.	
	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.
PRIMARY PRODUCTS—																
Softwoods. . . . .	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hardwoods.																
Logs, Roundwood, Pulpwood, Firewood	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sleepers (sawn and hewn) . . . . .	355	11,500	1,220	40,600	...	...	220	7,000	80,000	1,458	46,700	...	...	159	5,100	
Other (sawn and hewn) . . . . .	4,786	168,900	2,173	71,600	497	16,100	1,174	38,900	5,800	206	6,500	44	2,600	147	4,900	
TOTAL HARDWOODS . . . . .	5,121	180,400	3,393	112,200	497	16,100	1,394	45,900	85,800	1,664	53,200	44	2,600	306	10,000	
TOTAL PRIMARY PRODUCTS . . . . .	5,121	180,400	3,393	112,200	497	16,100	1,394	45,900	85,800	1,664	53,200	44	2,600	306	10,000	
DERIVATIVE PRODUCTS—																
Veneers, Plywoods, etc. . . . .	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Matches . . . . .	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rayon Goods . . . . .	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Paper and Pulp Products . . . . .	Nil	41,360	...	100	...	...	...	...	...	...	...	...	...	...	...	...
Furniture and Cabinet Ware . . . . .	...	4,100	...	40	...	...	...	...	...	...	...	...	...	...	80	5
Other Wooden Ware . . . . .	...	*45,700	...	445	...	...	...	...	...	...	...	...	...	...	...	...
Charcoal . . . . .	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Distillation Products . . . . .	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTAL DERIVATIVE PRODUCTS . . . . .	...	91,160	...	585	...	...	...	...	...	...	...	...	...	...	85	...
GRAND TOTAL . . . . .	5,121	271,560	3,393	112,785	497	16,100	1,394	45,900	85,800	1,664	53,200	44	2,600	306	10,085	...

\*£25,000, principally empty returns, casks.

TABLE IIIb.—continued.  
GROSS ANNUAL EXPORTS TO VARIOUS DESTINATIONS, 1940-41.

Volumes in thousands of cubic feet, equivalent Round Timber, true measure under bark. Value in £ Sterling.

Category.	Destinations.														Other and Destination Unknown		
	Commonwealth of Australia.		United Kingdom.		New Zealand.		South Africa.		Egypt.		Ceylon.		Palestine.				
	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.			
<b>PRIMARY PRODUCTS—</b>																	
<i>Softwoods.</i>																	
Logs, Sleepers, Roundwood, Pulpwood, Firewood ...	Nil	73	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sawn Timber ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTAL SOFTWOOD ...	...	73	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
<i>Hardwoods.</i>																	
Logs, Roundwood, Pulpwood, Firewood ...	1,256	40,300	20,000	608	...	...	2,873	91,900	13,458	804	25,700	759	24,300	611	19,600	...	19,600
Sleepers (sawn and hewn) ...	7,635	284,100	65,200	2,030	512	18,300	835	26,900	...	10	300	10	300	67	2,300	...	2,300
Other (sawn and hewn) ...	...	...	85,200	2,638	512	18,300	3,708	118,800	13,458	814	26,000	769	24,600	678	21,900	...	21,900
TOTAL HARDWOODS ...	8,891	324,400	85,200	2,638	512	18,300	3,708	118,800	13,458	814	26,000	769	24,600	678	21,900	...	21,900
TOTAL PRIMARY PRODUCTS ...	8,891	324,473	85,200	2,638	512	18,300	3,708	118,800	13,458	814	26,000	769	24,600	678	21,900	...	21,900
<b>DERIVATIVE PRODUCTS—</b>																	
Veneers, Plywoods, etc. ...	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Matches ...	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rayon Goods ...	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Paper and Pulp Products ...	28,100	...	40	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Furniture and Cabinet Ware ...	11,900	...	10	...	...	...	...	...	...	...	...	8	...	...	...	...	...
Other Wooden Ware ...	*48,000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Charcoal ...	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Distillation Products ...	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTAL DERIVATIVE PRODUCTS ...	Nil	88,000	50	...	512	18,300	3,708	118,800	13,458	814	26,000	769	24,600	678	21,900	...	21,900
GRAND TOTAL ...	8,891	412,473	85,250	2,638	512	18,300	3,708	118,800	13,458	814	26,000	769	24,600	678	21,900	...	21,900

\*£26,000, principally empty returns, casks.

TABLE IIIb.—continued.

## GROSS ANNUAL EXPORTS TO VARIOUS DESTINATIONS, 1941-42.

Volumes in thousands of cubic feet, equivalent Round Timber, true measure under bark. Value in £ Sterling.

Category.	Destinations.																	
	Commonwealth of Australia.		United Kingdom.		New Zealand.		South Africa.		Egypt.		Iraq.		Palestine.		Other.			
	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.		
<b>PRIMARY PRODUCTS—</b>																		
<i>Softwoods.</i>																		
Sawn Timber ... ..	2	600	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Other ... ..	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
TOTAL SOFTWOOD ... ..	2	600	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
<i>Hardwoods.</i>																		
Logs ... ..	6	250	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Roundwood, Pulpwood, Firewood ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Sleepers (sawn and hewn) ... ..	1,022	33,700	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Other (sawn and hewn) ... ..	7,809	287,800	413	16,000	237	7,900	1,619	55,200	1,801	61,900	1,628	52,100	86	2,800	153	1,700	600	
TOTAL HARDWOOD ... ..	8,837	321,750	413	16,000	237	7,900	2,078	72,500	1,940	67,400	2,074	67,600	100	4,300	71	2,300	2,300	
TOTAL PRIMARY PRODUCTS ... ..	8,839	323,350	413	16,000	237	7,900	2,078	72,500	1,940	67,400	2,074	67,600	100	4,300	71	2,300	2,300	
<b>DERIVATIVE PRODUCTS—</b>																		
Veneers, Plywoods, etc. ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Matches ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rayon Goods ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Paper and Pulp Products ... ..	...	12,460	...	300	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Furniture and Cabinet Ware ... ..	...	20,704	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Wooden Ware ... ..	...	*28,958	...	21	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Charcoal ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Distillation Products ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTAL DERIVATIVE PRODUCTS ... ..	...	62,122	...	321	...	...	...	...	...	...	...	...	...	...	...	...	...	...
GRAND TOTAL ... ..	8,839	384,472	413	16,321	237	7,900	2,078	72,500	1,940	68,263	2,074	67,600	100	5,163	71	2,300	3,454	

\*£20,000, principally empty returns, casks. † Mauritius.

TABLE IIIa.—continued.  
GROSS ANNUAL EXPORTS TO VARIOUS DESTINATIONS, 1942-43.

Volumes in thousands of cubic feet, equivalent Round Timber, true measure under bark. Value in £ Sterling.

Category.	Destinations.												
	Commonwealth Of Australia.		United Kingdom.		Union of South Africa.		Iraq.		Destination unknown.		Other.		
	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	
<b>PRIMARY PRODUCTS—</b>													
Softwoods ... ..	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...
<b>Hardwoods.</b>													
Logs, Roundwood, Pulpwood, Firewood ... ..	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...
Sleepers (sawn and hewn) ... ..	1,255	54,250	...	...	157	8,258	...	...	...	...	...	...	...
Other (sawn and hewn) ... ..	7,397	318,350	...	...	218	12,400	...	...	...	...	...	...	...
TOTAL HARDWOODS ... ..	8,652	372,600	41	1,626	375	20,658	998	61,590	526	27,780	...	...	...
TOTAL PRIMARY PRODUCTS ... ..	8,652	372,600	41	1,626	375	20,658	998	61,590	526	27,780	...	...	...
<b>DERIVATIVE PRODUCTS—</b>													
Veneers, Plywoods, etc. ... ..	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...
Matches* ... ..	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...
Rayon Goods ... ..	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...
Paper and Pulp Products ... ..	...	10,170	...	...	...	...	...	...	...	...	...	...	...
Furniture and Cabinet Ware ... ..	...	7,780	...	...	...	...	...	...	...	...	...	...	...
Other Wooden Ware ... ..	...	*18,150	...	...	...	...	...	...	...	...	...	...	...
Charcoal ... ..	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...
Distillation Products ... ..	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...
TOTAL DERIVATIVE PRODUCTS ... ..	Nil	36,100	...	...	...	...	...	...	...	...	...	...	...
<b>GRAND TOTAL ... ..</b>	8,652	408,700	41	1,606	375	21,228	998	61,590	526	27,780	...	...	...

\*£16,000, principally empty returns—casks.



TABLE IIIb.—continued.

## GROSS ANNUAL EXPORTS TO VARIOUS DESTINATIONS, 1943-44.

Volumes in thousands of cubic feet, equivalent Round Timber, true measure under bark. Value in £ Sterling.

Category.	Destinations.					
	Commonwealth of Australia.		South Africa.		New Zealand	
	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.
<b>PRIMARY PRODUCTS—</b>						
<i>Softwoods</i> ... ..	<i>Nil</i>	<i>Nil</i>	...	...	...	...
<i>Hardwoods.</i>						
Logs, Roundwood, Pulpwood, Firewood ... ..	<i>Nil</i>	<i>Nil</i>	...	...	...	...
Sleepers (sawn and hewn) ... ..	2,047	92,200	272	14,300	...	...
Other (sawn and hewn) ... ..	8,397	368,600	1	60	253	16,000
<b>TOTAL HARDWOODS</b> ... ..	<b>10,444</b>	<b>460,800</b>	<b>273</b>	<b>14,360</b>	<b>253</b>	<b>16,000</b>
<b>TOTAL PRIMARY PRODUCTS</b> ... ..	<b>10,444</b>	<b>460,800</b>	<b>273</b>	<b>14,360</b>	<b>253</b>	<b>16,000</b>
<b>DERIVATIVE PRODUCTS —</b>						
Veneers, Plywoods, etc. ... ..	<i>Nil</i>	<i>Nil</i>	...	...	...	...
Matches ... ..	<i>Nil</i>	<i>Nil</i>	...	...	...	...
Rayons ... ..	<i>Nil</i>	<i>Nil</i>	...	...	...	...
Paper and Pulp Products ... ..	...	10,000	...	...	...	...
Furniture and Cabinet Ware ... ..	...	188	...	...	...	...
Other Wooden Ware ... ..	...	*20,142	...	...	...	...
Charcoal ... ..	<i>Nil</i>	<i>Nil</i>	...	...	...	...
Distillation Products ... ..	<i>Nil</i>	<i>Nil</i>	...	...	...	...
<b>TOTAL DERIVATIVE PRODUCTS</b> ... ..	<b><i>Nil</i></b>	<b>30,260</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>
<b>GRAND TOTAL</b> ... ..	<b>10,444</b>	<b>491,060</b>	<b>273</b>	<b>14,360</b>	<b>253</b>	<b>16,000</b>

\*£18,000, principally empty returns, casks.

TABLE IIIb.—continued.  
GROSS ANNUAL EXPORTS TO VARIOUS DESTINATIONS, 1944-45.

Volumes in thousands of cubic feet, equivalent Round Timber, true measure under bark. Values in £ Sterling.

Category.	Destinations.															
	Commonwealth of Australia.		United Kingdom.		New Zealand.		South Africa.		Egypt.		U.S.A.		Ceylon.		Other.	
	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.	Vol.	F.o.b. Value.
<b>PRIMARY PRODUCTS—</b>																
<i>Softwoods</i> ... ..	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...
<i>Hardwoods:</i>																
Logs, Roundwood, Pulpwood, Firewood ... ..	Nil	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sleepers (sawn and hewn) ... ..	1,309	70,500	...	...	135	10,700	...	...	...	1	141	...	...	...	...	...
Other (sawn and hewn) ... ..	5,598	254,610	800	72,200	281	15,100	438	31,300	9	1,500	...	...	...	...	...	...
<b>TOTAL HARDWOOD</b> ... ..	6,907	325,100	800	72,200	281	15,100	573	42,000	10	1,641	...	...	...	...	...	...
<b>TOTAL PRIMARY PRODUCTS</b> ... ..	6,907	325,100	800	72,200	281	15,100	573	42,000	10	1,641	...	...	...	...	...	...
<b>DERIVATIVE PRODUCTS—</b>																
Veneers, Plywoods, etc. ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Matches ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rayon Goods ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Paper and Pulp Products ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Furniture and Cabinet Ware ... ..	...	10,610	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Wooden Ware ... ..	...	956	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Charcoal ... ..	...	*17,814	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Distillation Products ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>TOTAL DERIVATIVE PRODUCTS</b> ... ..	...	29,380	...	1,202	...	...	...	600	...	...	5	...	3,958	...	4,355	
<b>GRAND TOTAL</b> ... ..	6,907	354,480	800	73,402	281	15,100	573	42,600	10	1,641	...	...	3,958	...	4,355	

\*£15,000 Principally empty returns casks.

*Minor Forest Products :*

The principal items of minor forest products are Sandalwood and tanning materials.

The Sandalwood industry is of considerable economic importance and offers part-time employment for many men engaged in the mining industry as prospectors. Unfortunately it is a wasting asset and the artificial regeneration of Sandalwood in this State presents a number of difficulties which up to the present it has not been possible to overcome. Since 1932 the export of this wood from Western Australia and South Australia has been controlled under an agreement made between the Governments of the two States and the Companies which, as a result of stabilised conditions has shown a very definite improvement. Apart from the export of the wood for use in China and other Eastern Countries, an important local industry in the distillation of sandalwood oil has been established.

The Sandalwood industry was at a standstill during the war, but with the cessation of hostilities it has been revived both for export wood and for oil distillation.

*Tanning Materials—*

Since 1935, a tanning extract from Wandoo timber has been manufactured by a local Company using 40,000 to 60,000 tons of timber annually. Supplies of raw material are obtained largely from private property, from trees useless for sawmilling or hewing which were previously burnt in the process of clearing for pasture.

Supplies of Mallet Bark for tannin extraction obtained for many years from private property and areas of vacant Crown lands are gradually becoming exhausted and during recent years, difficulty has been experienced in obtaining sufficient to meet local requirements. Plantations of Mallet have been established by the Forests Department and thinnings from this source of supply can be expected within a few years.

TABLE IV.  
AVERAGE ANNUAL OUTPUT, IMPORTS, EXPORTS AND HOME CONSUMPTION FOR FIVE YEARS ENDING, 1938.

*Minor Forest Products.*

Values in £ Sterling.

Category.	Output in Value by Ownership.			Imports. Value.	Exports. F.o.b. Value.	Net Imports (+), or Exports (—).	Home Con- sumption, Col. 4 and Col. 8.
	State.	Private.	Total.				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Animal Products ... ..	...	12,542	*12,542	1,605	39,477	— 37,872	...
Bamboos, Canes ... ..	...	...	...	1,609	...	+ 1,609	1,609
Drugs, Spices ... ..	...	...	...	220	...	+ 220	220
Fibres, Flosses ... ..	...	...	...	14,645	...	+ 14,645	14,645
Gums, Resins, Lac. ... ..	720	...	720	5,225	933	+ 4,292	5,012
Rubber and Latex ... ..	...	...	...	73	...	+ 73	73
Incense and Perfume Woods	46,000	1,700	†47,700	...	47,321	— 47,321	...
Tanstuffs ... ..	2,300	34,200	†36,500	3,647	25,486	— 21,839	†10,000
Vegetable Oils ... ..	...	...	...	15,389	26,278	— 10,889	...
SUB-TOTAL ... ..	...	...	...	42,413	139,495	— 97,082	...
DERIVATIVES FROM MINOR PRODUCTS—							
Cork and Cork Manufactures ... ..	...	...	...	13,150	35	+ 13,115	13,115
Coconut Products ... ..	...	...	...	6,389	...	+ 6,389	6,389
Rubber Manufactures ... ..	...	...	...	223,896	6,925	+ 216,971	216,971
SUB-TOTAL ... ..	...	...	...	243,435	6,960	+ 236,475	236,475
GRAND TOTAL ... ..	...	...	...	285,848	146,455	...	...

\*Honey only.

†Approximate.

TABLE IV.—*continued.*

## OUTPUT, IMPORTS, EXPORTS, HOME CONSUMPTION, 1938-39.

*Minor Forest Products.*

Values £ Sterling.

Category.	Output in Value by Ownership.			Imports Value.	Exports. F.o.b. Value.	Net Imports (+), or Exports(—).	Home consumption.
	State.	Private.	Total.				
Animal Products ... ..	...	8,764	*8,764	1,550	29,759	— 28,209	...
Bamboos, Canes ... ..	...	...	...	1,593	...	+ 1,593	1,593
Drugs, Spices ... ..	...	...	...	207	...	+ 207	207
Fibres, Flosses ... ..	6	...	6	16,790	...	+ 16,790	16,790
Gums, Resins, Lac. ... ..	690	...	690	3,476	549	+ 2,927	3,617
Rubber and Latex ... ..	...	...	...	20	...	+ 20	20
Incense and Perfume Woods ... ..	9,250	450	†9,700	...	30,309	— 30,309	...
Tanstuffs ... ..	3,000	79,000	†82,000	3,179	52,900	— 49,721	†11,000
Vegetable Oils ... ..	...	...	...	15,680	20,450	— 4,770	...
SUB-TOTAL ... ..	...	...	...	42,495	133,967	— 91,472	...
DERIVATIVES FROM MINOR PRODUCTS—							
Cork and Cork Manufactures ... ..	...	...	...	16,295	32	+ 16,263	16,263
Coconut Products ... ..	...	...	...	6,377	...	+ 6,377	6,377
Rubber Manufactures ... ..	...	...	...	230,108	6,157	+ 223,951	223,951
SUB-TOTAL ... ..	...	...	...	252,780	6,189	+ 246,591	246,591
GRAND TOTAL ... ..	...	...	...	295,275	140,156	...	...

\*Honey only.

†Approximate.

TABLE IV.—*continued.*

## OUTPUT, IMPORTS, EXPORTS, HOME CONSUMPTION, 1939-40.

*Minor Forest Products.*

Values £ Sterling.

Category.	Output in Value by Ownership.			Imports Value.	Exports. F.o.b. Value.	Net Imports or Exports (—).	Home Consumption.
	State.	Private.	Total.				
Animal Products ... ..	...	9,768	*9,768	1,250	38,216	— 36,966	...
Bamboos, Canes ... ..	...	...	...	1,892	...	+ 1,892	1,892
Drugs, Spices ... ..	...	...	...	269	...	+ 269	269
Fibres, Flosses ... ..	...	...	...	14,370	...	+ 14,370	14,370
Gums, Resins, Lac. ... ..	812	...	812	7,788	1,103	+ 6,685	7,497
Rubber and Latex ... ..	...	...	...	22	...	+ 22	22
Incense and Perfume Woods ... ..	32,100	1,500	†33,600	...	33,277	— 33,277	...
Tanstuffs ... ..	8,400	89,100	†97,500	5,436	71,507	— 66,071	†14,500
Vegetable Oils ... ..	...	...	...	20,451	38,064	— 17,613	...
SUB-TOTAL ... ..	...	...	...	51,478	182,167	— 130,689	...
DERIVATIVES FROM MINOR PRODUCTS							
Cork and Cork Manufactures ... ..	...	...	...	21,142	11	+ 21,131	21,131
Coconut Products ... ..	...	...	...	8,330	...	+ 8,330	8,330
Rubber Manufactures ... ..	...	...	...	286,610	7,339	+ 279,271	279,271
SUB-TOTAL ... ..	...	...	...	316,082	7,350	+ 308,732	...
GRAND TOTAL ... ..	...	...	...	367,560	189,517	...	...

\*Honey only.

†Approximate.

TABLE IV.—*continued.*

## OUTPUT, IMPORTS, EXPORTS, HOME CONSUMPTION, 1938-39.

*Minor Forest Products.*

Values £ Sterling.

Category.	Output in Value by Ownership.			Imports Value.	Exports. F.o.b. Value.	Net Imports (+), or Exports(—).	Home consumption.
	State.	Private.	Total.				
Animal Products ... ..	...	8,764	*8,764	1,550	29,759	— 28,209	...
Bamboos, Canes ... ..	...	...	...	1,593	...	+ 1,593	1,593
Drugs, Spices ... ..	...	...	...	207	...	+ 207	207
Fibres, Flosses ... ..	6	...	6	16,790	...	+ 16,790	16,790
Gums, Resins, Lac. ... ..	690	...	690	3,476	549	+ 2,927	3,617
Rubber and Latex ... ..	...	...	...	20	...	+ 20	20
Incense and Perfume Woods ... ..	9,250	450	†9,700	...	30,309	— 30,309	...
Tanstuffs ... ..	3,000	79,000	†82,000	3,179	52,900	— 49,721	†11,000
Vegetable Oils ... ..	...	...	...	15,680	20,450	— 4,770	...
SUB-TOTAL ... ..	...	...	...	42,495	133,967	— 91,472	...
DERIVATIVES FROM MINOR PRODUCTS—							
Cork and Cork Manufactures ... ..	...	...	...	16,295	32	+ 16,263	16,263
Coconut Products ... ..	...	...	...	6,377	...	+ 6,377	6,377
Rubber Manufactures ... ..	...	...	...	230,108	6,157	+ 223,951	223,951
SUB-TOTAL ... ..	...	...	...	252,780	6,189	+ 246,591	246,591
GRAND TOTAL ... ..	...	...	...	295,275	140,156	...	...

\*Honey only.

†Approximate.

TABLE IV.—*continued.*

## OUTPUT, IMPORTS, EXPORTS, HOME CONSUMPTION, 1939-40.

*Minor Forest Products.*

Values £ Sterling.

Category.	Output in Value by Ownership.			Imports. Value.	Exports. F.o.b. Value.	Net Imports or Exports (—).	Home Consumption.
	State.	Private.	Total.				
Animal Products ... ..	...	9,768	*9,768	1,250	38,216	— 36,966	...
Bamboos, Canes ... ..	...	...	...	1,892	...	+ 1,892	1,892
Drugs, Spices ... ..	...	...	...	269	...	+ 269	269
Fibres, Flosses ... ..	...	...	...	14,370	...	+ 14,370	14,370
Gums, Resins, Lac. ... ..	812	...	812	7,788	1,103	+ 6,685	7,497
Rubber and Latex ... ..	...	...	...	22	...	+ 22	22
Incense and Perfume Woods ... ..	32,100	1,500	†33,600	...	33,277	— 33,277	...
Tanstuffs ... ..	8,400	89,100	†97,500	5,436	71,507	— 66,071	†14,500
Vegetable Oils ... ..	...	...	...	20,451	38,064	— 17,613	...
SUB-TOTAL ... ..	...	...	...	51,478	182,167	— 130,689	...
DERIVATIVES FROM MINOR PRODUCTS							
Cork and Cork Manufactures ... ..	...	...	...	21,142	11	+ 21,131	21,131
Coconut Products ... ..	...	...	...	8,330	...	+ 8,330	8,330
Rubber Manufactures ... ..	...	...	...	286,610	7,339	+ 279,271	279,271
SUB-TOTAL ... ..	...	...	...	316,082	7,350	+ 308,732	...
GRAND TOTAL ... ..	...	...	...	367,560	189,517	...	...

\*Honey only.

†Approximate.

TABLE IV.—*continued.*

## OUTPUT, IMPORTS, EXPORTS, HOME CONSUMPTION, 1942-43.

*Minor Forest Products.*

Values in £ Sterling.

Category.	Output in Value by Ownership.			Imports Value.	Exports. F.o.b. Value.	Average Net Imports (+) or Exports (—).	Home Consumption.
	State.	Private.	Total.				
Animal Products ... ..	...	*24,356	*24,356	108	14,510	— 14,402	...
Bamboos, Canes ... ..	...	...	...	236	...	+ 236	236
Drugs, Spices ... ..	...	...	...	1,506	...	+ 1,506	1,506
Fibres, Flosses ... ..	...	...	...	16,547	...	+ 16,547	16,547
Gums, Resins, Lac. ... ..	112	...	112	6,153	1,659	+ 4,494	4,494
Rubber and Latex ... ..	...	...	...	1,130	...	+ 1,130	1,130
Incense and Perfume Woods ... ..	2,517	...	2,517	...	64	— 64	...
Tanstuffs, Dyestuffs ... ..	39,600	65,850	†105,450	5,080	91,937	— 86,857	†18,600
Vegetable Oils and Oil Seeds ... ..	...	...	...	7,170	8,129	— 959	...
SUB-TOTAL ... ..	...	...	...	37,930	116,299	— 78,369	...
DERIVATIVES FROM MINOR PRODUCTS—							
Cork and Cork Manufactures ... ..	...	...	...	7,435	...	+ 7,435	7,435
Coconut Products ... ..	...	...	...	1,419	...	+ 1,419	1,419
Rubber Manufactures ... ..	...	...	...	193,426	2,052	+ 191,374	191,374
SUB-TOTAL ... ..	...	...	...	202,280	2,052	+ 200,228	200,228
GRAND TOTAL ... ..	...	...	...	240,210	118,351	...	...

\*Honey only. †Approximate.

TABLE IV.—*continued.*

## OUTPUT, IMPORTS, EXPORTS, HOME CONSUMPTION, 1943-44.

*Minor Forest Products.*

Values in £ Sterling.

Category.	Output in Value by Ownership.			Imports Value.	Exports. F.o.b. Value.	Average Net Imports (+) or Exports (—).	Home consumption.
	State.	Private.	Total.				
Animal Products ... ..	...	15,424	*15,424	1,353	23,056	— 21,703	...
Bamboos, Canes ... ..	...	...	...	414	...	+ 414	414
Drugs, Spices ... ..	...	...	...	744	...	+ 744	744
Fibres Flosses ... ..	...	...	...	Nil	...	...	...
Gums, Resins, Lac. ... ..	260	...	260	7,860	225	+ 7,635	7,895
Rubber and Latex ... ..	...	...	...	3,373	...	+ 3,373	3,373
Incense and Perfume Woods ... ..	1,150	...	1,150	...	Nil	...	...
Tanstuffs, Dyestuffs ... ..	21,000	92,100	†113,100	6,306	97,562	— 91,256	†21,840
Vegetable Oils ... ..	...	...	...	6,512	1,478	+ 5,034	...
SUB-TOTAL ... ..	...	...	...	26,562	122,321	— 95,759	...
DERIVATIVES FROM MINOR PRODUCTS—							
Cork and Cork Manufactures ... ..	...	...	...	4,967	6,354	— 1,387	...
Coconut Products ... ..	...	...	...	1,002	...	+ 1,002	1,002
Rubber Manufactures ... ..	...	...	...	157,384	6,438	+ 150,946	150,946
SUB-TOTAL ... ..	...	...	...	163,353	12,792	+ 150,561	...
GRAND TOTAL ... ..	...	...	...	189,915	135,113	...	...

\*Honey only. †Approximate.

TABLE IV.—*continued.*  
 OUTPUT, IMPORTS, EXPORTS, HOME CONSUMPTION, 1944-45.

*Minor Forest Products.*

Values in £ Sterling.

Category.	Output in Value by Ownership.			Imports. Value.	Exports. F.o.b. Value.	Average Net Imports (+) or Exports (-)	Home Con- sumption.
	State.	Private.	Total.				
Animal Products ... ..	...	...	...	1,400	41,780	— 40,380	...
Bamboos, Canes ... ..	...	...	...	1,580	...	+ 1,580	1,580
Drugs, Spices ... ..	...	...	...	2,154	...	+ 2,154	2,154
Fibres, Flosses ... ..	...	...	...	4,765	...	+ 4,765	4,765
Gums, Resins, Lac. ... ..	300	...	300	6,068	300	+ 5,768	5,768
Rubber and Latex ... ..	...	...	...	2,310	<i>Nil</i>	+ 2,310	2,310
Incense and Perfume Woods ... ..	3,625	...	3,625	...	<i>Nil</i>	...	...
Tanstuffs, Dyestuffs ... ..	36,100	65,000	†101,000	7,410	87,743	— 80,333	†20,800
Vegetable Oils ... ..	...	...	...	10,614	12,186	— 1 572	...
SUB-TOTAL ... ..	...	...	...	36,301	142,000	— 105,708	...
DERIVATIVES FROM MINOR PRODUCTS—							
Cork and Cork Manufactures ... ..	...	...	...	17,170	...	+ 17,170	17,170
Coconut Products ... ..	...	...	...	1,334	...	+ 1,334	1,334
Rubber Manufactures ... ..	...	...	...	213,567	3,647	+ 209,920	209,920
SUB-TOTAL ... ..	...	...	...	232,071	3,647	228,424	228,424
GRAND TOTAL ... ..	...	...	...	268,372	145,656	...	...

†Approximate.

TABLE IV.—*continued.*  
 OUTPUT, IMPORTS, EXPORTS, HOME CONSUMPTION, 1944-45.

*Minor Forest Products.*

Values in £ Sterling.

Category.	Output in Value by Ownership.			Imports. Value.	Exports. F.o.b. Value.	Average Net Imports (+) or Exports (-)	Home Con- sumption.
	State.	Private.	Total.				
Animal Products ... ..	...	...	...	1,400	41,780	— 40,380	...
Bamboos, Canes ... ..	...	...	...	1,580	...	+ 1,580	1,580
Drugs, Spices ... ..	...	...	...	2,154	...	+ 2,154	2,154
Fibres, Flosses ... ..	...	...	...	4,765	...	+ 4,765	4,765
Gums, Resins, Lac. ... ..	300	...	300	6,068	300	+ 5,768	5,768
Rubber and Latex ... ..	...	...	...	2,310	<i>Nil</i>	+ 2,310	2,310
Incense and Perfume Woods ... ..	3,625	...	3,625	...	<i>Nil</i>	...	...
Tanstuffs, Dyestuffs ... ..	36,100	65,000	†101,000	7,410	87,743	— 80,333	†20,800
Vegetable Oils ... ..	...	...	...	10,614	12,186	— 1 572	...
SUB-TOTAL ... ..	...	...	...	36,301	142,009	— 105,708	...
DERIVATIVES FROM MINOR PRODUCTS—							
Cork and Cork Manufactures ... ..	...	...	...	17,170	...	+ 17,170	17,170
Coconut Products ... ..	...	...	...	1,334	...	+ 1,334	1,334
Rubber Manufactures ... ..	...	...	...	213,567	3,647	+ 209,920	209,920
SUB-TOTAL ... ..	...	...	...	232,071	3,647	228,424	228,424
GRAND TOTAL ... ..	...	...	...	268,372	145,656	...	...

†Approximate.



TABLE IV.  
AVERAGE GROSS ANNUAL IMPORTS FROM DIFFERENT SOURCES FOR FIVE YEARS ENDING, 1938.  
*Minor Forest Products.*

Values in £ Sterling.

Category.	Australian States.	United Kingdom.	U.S.A.	Europe and Scandinavia.	Portugal and Spain.	India and Ceylon.	N.E.I. and British Malaya.	South Africa.	New Guinea.	Other.	Total.
Animal Products ...	1,605	...	...	...	...	...	1,137	...	...	...	1,605
Bamboos, Canes ...	73	27	...	...	...	34	13	...	...	338	1,609
Drugs, Spices ...	11	22	...	15	...	107	20	...	...	18	220
Fibres, Flosses ...	...	...	1,533	1,205	...	14,007	108	...	...	298	14,645
Gums and Resins ...	269	131	12	...	...	...	44	...	...	3	5,225
Rubber and Latex ...	2,217	4	34	193	...	...	01	133	...	282	3,647
Tannstuffs ...	6,008	161	2,856	4,557	219	273	4	...	...	621	15,389
Vegetable Oils ...	...	...	...	...	...	...	...	...	...	1,560	42,413
Sub-Total ...	10,908	894	4,799	6,060	219	1,848	10,916	133	...	...	13,150
DERIVATIVES FROM MINOR PRODUCTS—											
Cork and Cork Manufactures ...	1,383	355	830	20	10,553	...	82	...	5,074	...	6,389
Coconut Products ...	200	...	20	247	...	137	...	...	...	123	223,896
Rubber Manufactures ...	222,437	1,065	...	...	...	...	...	...	...	...	243,435
Sub-Total ...	224,420	1,420	854	270	10,553	127	82	...	5,074	123	243,435
GRAND TOTAL ...	204,929	2,314	5,614	6,330	10,772	1,975	16,908	453	5,974	1,683	285,848

IMPORTS FROM DIFFERENT SOURCES, 1938-39.

*Minor Forest Products.*

Value in £ Sterling.

Category.	Australia.	United Kingdom.	U.S.A.	Europe and Scandinavia.	Portugal and Spain.	India and Ceylon.	N.E.I. and British Malaya.	South Africa.	Other.	Total.
Animal Products ...	1,550	...	...	...	...	...	...	...	...	1,550
Bamboos, Canes ...	...	40	136	...	...	17	...	...	1,400	1,593
Drugs, Spices ...	...	...	...	...	...	118	...	...	89	207
Fibres, Flosses ...	...	...	...	...	...	59	16,730	...	...	16,789
Gums, Resins ...	...	32	1,280	1,560	...	187	...	...	145	3,476
Rubber and Latex ...	...	...	...	...	...	...	15	...	5	20
Tannstuffs ...	2,320	59	3,097	6,310	...	...	...	...	206	3,177
Vegetable Oils ...	5,370	366	...	...	...	...	...	...	537	15,680
Sub-Total ...	9,382	497	4,513	7,870	130	381	16,745	502	2,382	42,492
DERIVATIVES FROM MINOR PRODUCTS—										
Cork and Cork Manufactures ...	2,590	320	557	...	12,620	...	...	...	308	16,295
Coconut Products ...	72	...	...	...	...	415	100	...	New Guinea	6,377
Rubber Manufactures ...	228,800	986	90	...	...	...	...	...	232	230,108
Sub-Total ...	231,462	1,306	647	...	12,620	415	100	...	6,330	252,780
GRAND TOTAL ...	240,844	1,803	5,160	7,870	12,650	796	16,845	592	8,712	295,272

TABLE IVa.—continued.  
IMPORTS FROM VARIOUS SOURCES, 1939-40.  
Minor Forest Products.

Category.	Australia.	United Kingdom.	U.S.A.	Europe and Scandinavia.	Portugal and Spain.	India and Ceylon.	Netherlands East Indies.	Other.	South Africa.	Total.
Animal Products ...	1,251	...	...	...	...	...	1,067	... 540	...	1,251
Bamboos, Canes ...	250	7	...	...	...	28	104	...	...	1,892
Drugs, Spices ...	...	18	...	...	...	147	14,350	... 8	...	269
Fibres, Flosses ...	1,333	...	3,540	378	604	1,212	23	595	...	14,370
Gums, Resins, Lacs ...	1,000	3	5	639	...	7	19	55	...	7,788
Rubber and Latex ...	8,942	460	4,573	4,850	102	351	180	993	3,082	5,436
Tanstuffs ...	...	...	...	...	...	...	...	...	...	20,451
Vegetable Oils ...	12,776	1,216	8,118	5,867	706	1,757	15,766	2,191	3,082	51,479
Sub-TOTAL ...	2,508	610	6,866	396	10,762	...	62	New Guinea, 8,114	...	21,142
DERIVATIVES FROM MINOR PRODUCTS—	285,297	...	111	122	...	...	...	336	...	8,330
Cork and Cork Manufactures ...	287,735	1,425	6,977	518	10,762	154	62	8,450	...	316,083
Coconut Products ...	300,511	2,641	15,095	6,385	11,468	1,911	15,828	10,641	3,082	367,562
Rubber Manufactures ...	...	...	...	...	...	...	...	...	...	...
Sub-TOTAL ...	...	...	...	...	...	...	...	...	...	...
GRAND TOTAL	...	...	...	...	...	...	...	...	...	...

GROSS IMPORTS FROM VARIOUS SOURCES, 1940-41.  
Minor Forest Products.

Category.	Australia.	United Kingdom.	U.S.A.	Europe and Scandinavia.	Portugal and Spain.	India and Ceylon.	N.E.I. and British Malaya.	South Africa.	Other.	Total.
Animal Products ...	436	5	...	...	...	...	1,660	...	...	441
Bamboos, Canes ...	257	...	...	...	...	56	236	...	121	2,094
Drugs, Spices ...	...	...	...	...	...	48	12,415	...	...	284
Fibres, Flosses ...	592	89	3,293	...	...	791	...	...	394	12,415
Gums, Resins, Lacs ...	1,598	...	12	...	...	...	...	...	...	5,159
Rubber and Latex ...	944	1,270	...	...	...	...	60	753	...	1,598
Tanstuffs ...	7,175	105	1,883	578	...	727	1,058	...	871	3,039
Vegetable Oils ...	11,002	1,469	5,188	578	...	1,622	15,456	763	1,386	12,424
Sub-TOTAL ...	4,486	477	1,869	...	5,640	91	77	...	...	37,454
DERIVATIVES FROM MINOR PRODUCTS—	187,642	...	80	...	...	...	...	...	...	...
Cork and Cork Manufactures ...	192,128	557	1,949	...	5,640	91	77	...	7,980	12,472
Coconut Products ...	203,130	2,026	7,137	578	5,640	1,713	15,533	753	*7,906	8,074
Rubber Manufactures ...	...	...	...	...	...	...	...	...	74	187,876
Sub-TOTAL ...	...	...	...	...	...	...	...	...	...	208,422
GRAND TOTAL	...	...	...	...	...	...	...	...	...	245,876

\*New Guinea.

Values in £ Sterling.

TABLE IV.A.—continued.  
GROSS IMPORTS FROM DIFFERENT SOURCES, 1941-42.  
Minor Forest Products.

Values in £ Sterling.

Category.	Australia.	United Kingdom.	U.S.A.	Portugal and Spain.	India and Ceylon.	N.E.I. and British Malaya.	South Africa.	Other.	Total.
Animal Products ...	714	...	...	...	7	...	...	113	714
Bamboos, Canes ...	521	...	...	...	339	1,180	...	...	1,821
Drugs, Spices ...	...	...	...	...	...	2,122	...	...	2,461
Fibres, Flosses ...	...	60	1,588	...	2,084	9,510	...	571	9,510
Gums, Resins, Lacs ...	3,710	7	...	...	...	2	...	...	4,778
Rubber and Latex ...	962	320	...	...	2,776	...	8,619	...	3,717
Tanstuffs Dyestuffs ...	5,953	193	131	...	442	...	858	...	12,677
Vegetable Oils ...	...	...	...	...	...	...	...	130	7,707
Sub-TOTAL ...	12,333	580	1,719	...	5,648	12,814	9,477	814	43,365
DERIVATIVES FROM MINOR PRODUCTS—									
Cork and Cork Manufactures ...	4,066	566	3,099	4,479	...	...	...	...	12,210
Coconut Products ...	222,861	326	...	...	511	32	...	4,946	5,489
Rubber Manufactures ...	226,927	892	3,099	4,479	511	32	...	13,456	226,643
Sub-TOTAL ...	239,260	1,472	4,818	4,479	6,159	12,846	9,477	8,402	244,342
GRAND TOTAL									287,727

\*New Guinea. †Canada.

GROSS IMPORTS FROM DIFFERENT SOURCES, 1942-43.  
Minor Forest Products.

Value in £ Sterling.

Category.	Australia.	United Kingdom.	U.S.A.	Portugal and Spain.	India and Ceylon.	N.E.I. and British Malaya.	South Africa.	Other.	Total.
Animal Products ...	108	...	...	...	8	...	...	...	108
Bamboos, Canes ...	228	...	...	...	1,506	...	...	...	236
Drugs, Spices ...	...	...	...	...	16,547	...	...	...	1,506
Fibres, Flosses ...	...	123	2,761	...	474	10	...	565	16,547
Gums, Resins, Lacs ...	2,920	...	...	...	...	...	...	...	6,153
Rubber and Latex ...	1,130	...	...	...	...	...	3,065	...	1,130
Tanstuffs, Dyestuffs ...	2,015	...	...	...	...	...	...	...	5,080
Vegetable Oils ...	6,497	227	219	...	...	...	...	227	7,170
Sub-TOTAL ...	12,198	350	2,980	...	18,535	10	3,065	792	37,930
DERIVATIVES FROM MINOR PRODUCTS—									
Cork and Cork Manufactures ...	2,929	206	2,398	1,902	...	...	...	...	7,435
Coconut Products ...	190,956	37	...	...	1,304	75	...	3	1,419
Rubber Manufactures ...	193,885	64	...	...	...	...	...	2,406	193,426
Sub-TOTAL ...	206,083	307	2,398	1,902	1,304	75	...	2,409	202,280
GRAND TOTAL		657	5,378	1,902	19,839	85	3,065	3,201	240,210

TABLE IV.A.—continued.  
GROSS IMPORTS FROM DIFFERENT SOURCES, 1941-42.  
Minor Forest Products.

Values in £ Sterling.

Category.	Australia.	United Kingdom.	U.S.A.	Portugal and Spain.	India and Ceylon.	N.E.I. and British Malaya.	South Africa.	Other.	Total.
Animal Products ...	714	...	...	...	...	...	...	...	714
Bamboos, Canes ...	521	...	...	...	7	1,180	...	113	1,821
Drugs, Spices ...	...	...	...	...	339	2,122	...	...	2,461
Fibres, Flosses ...	...	...	...	...	2,084	9,510	...	...	9,510
Gums, Resins, Lacs ...	473	60	1,588	...	2	2	...	571	4,778
Rubber and Latex ...	3,710	7	...	...	2,776	...	8,619	...	3,717
Tan-stuffs Dyestuffs ...	962	320	...	...	442	...	858	...	12,677
Vegetable Oils ...	5,953	193	131	...	...	...	...	130	7,707
Sub-TOTAL ...	12,333	580	1,719	...	5,648	12,814	9,477	814	43,365
DERIVATIVES FROM MINOR PRODUCTS—									
Cork and Cork Manufactures ...	4,066	566	3,099	4,479	...	...	...	...	12,210
Coconut Products ...	...	326	...	...	511	32	...	...	5,489
Rubber Manufactures ...	222,861	...	...	...	...	...	...	13,456	226,643
Sub-TOTAL ...	226,927	892	3,099	4,479	511	32	...	8,402	244,342
GRAND TOTAL	239,260	1,472	4,818	4,479	6,159	12,846	9,477	9,216	287,727

\*New Guinea.

†Canada.

GROSS IMPORTS FROM DIFFERENT SOURCES, 1942-43.  
Minor Forest Products.

Value in £ Sterling.

Category.	Australia.	United Kingdom.	U.S.A.	Portugal and Spain.	India and Ceylon.	N.E.I. and British Malaya.	South Africa.	Other.	Total.
Animal Products ...	108	...	...	...	...	...	...	...	108
Bamboos, Canes ...	228	...	...	...	8	...	...	...	236
Drugs, Spices ...	...	...	...	...	1,506	...	...	...	1,506
Fibres, Flosses ...	...	...	...	...	16,547	...	...	...	16,547
Gums, Resins, Lacs ...	2,220	123	2,761	...	474	10	...	565	6,153
Rubber and Latex ...	1,130	...	...	...	...	...	3,065	...	1,130
Tan-stuffs, Dyestuffs ...	2,015	...	...	...	...	...	...	...	5,080
Vegetable Oils ...	6,497	227	219	...	...	...	...	227	7,170
Sub-TOTAL ...	12,198	350	2,980	...	18,535	10	3,065	792	37,930
DERIVATIVES FROM MINOR PRODUCTS—									
Cork and Cork Manufactures ...	2,929	206	2,398	1,902	...	...	...	...	7,435
Coconut Products ...	...	37	...	...	1,304	75	...	3	1,419
Rubber Manufactures ...	190,956	64	...	...	...	...	...	2,406	193,426
Sub-TOTAL ...	193,885	307	2,398	1,902	1,304	75	...	2,409	202,280
GRAND TOTAL	206,083	657	5,378	1,902	19,839	85	3,065	3,201	240,210

TABLE IVa.—*Continued.*

## GROSS IMPORTS FROM DIFFERENT SOURCES, 1943-44.

Values in £ Sterling.

*Minor Post Pro Iuka.*

Category.	Australia.	United Kingdom.	U.S.A.	India and Ceylon.	South Africa.	Portugal and Spain.	N.F.I. and British Malaya.	Other.	Total.
Animal Products ...	1,353	...	...	...	...	...	...	...	1,353
Bamboos, Canes ...	414	...	...	...	...	...	...	...	414
Fibres, Flosses ...	...	...	...	744	...	...	...	...	744
Drugs, Spices ...	1,843	132	4,902	190	...	...	...	793	7,860
Gums, Resins, Lacs ...	3,289	...	...	...	...	...	84	...	3,373
Rubber and Latex ...	618	...	...	1,010	4,678	...	...	...	6,306
Tanstuffs, Dyestuffs ...	5,253	141	674	262	...	...	...	182	6,512
Vegetable Oils ...	...	...	...	...	...	...	...	...	...
SUB-TOTAL ...	12,770	273	5,576	2,206	4,678	...	84	975	26,562
DERIVATIVES FROM MINOR PRODUCTS—									
Cork and Cork Manufactures ...	1,467	162	...	...	...	3,311	...	27	4,967
Coconut Products ...	157,335	7	42	794	...	...	...	*208	1,002
Rubber Manufactures ...	168,802	169	42	794	...	3,311	...	...	157,384
SUB-TOTAL ...	171,572	442	5,618	3,000	4,678	3,311	84	235	163,353
GRAND TOTAL ...									189,915

\*New Guinea.

TABLE IV<sup>a</sup>.—*Continued*.  
GROSS IMPORTS FROM DIFFERENT SOURCES, 1943-44.

Minor Post Pro Iuka.

Values in £ Sterling.

Category.	Australia.	United Kingdom.	U.S.A.	India and Ceylon.	South Africa.	Portugal and Spain.	N.F.I. and British Malaya.	Other.	Total.
Animal Products ...	1,353	...	...	...	...	...	...	...	1,353
Bamboos, Canes ...	414	...	...	...	...	...	...	...	414
Fibres, Flosses ...	...	...	...	744	...	...	...	...	744
Drugs, Spices ...	...	...	...	...	...	...	...	...	Nil
Gums, Resins, Lacs ...	1,843	132	4,902	190	...	...	84	793	7,860
Rubber and Latex ...	3,280	...	...	...	4,678	...	...	...	3,373
Tanstuffs, Dyestuffs ...	618	...	...	1,010	...	...	...	...	6,306
Vegetable Oils ...	5,253	141	674	262	...	...	...	182	6,512
SUB-TOTAL ...	12,770	273	5,576	2,206	4,678	...	84	975	26,562
DERIVATIVES FROM MINOR PRODUCTS—									
Cork and Cork Manufactures ...	1,467	162	...	...	...	3,311	...	27	4,967
Coconut Products ...	...	...	...	794	...	...	...	*208	1,002
Rubber Manufactures ...	157,335	7	42	...	...	...	...	...	157,384
SUB-TOTAL ...	158,802	169	42	794	...	3,311	...	235	163,353
GRAND TOTAL ...	171,572	442	5,618	3,000	4,678	3,311	84	1,210	189,915

\*New Guinea.

TABLE IV<sup>a</sup>.—*Continued.*

## GROSS IMPORTS FROM DIFFERENT SOURCES, 1943-44.

Values in £ Sterling.

*Minor Post Pro ducts.*

Category.	Australia.	United Kingdom.	U.S.A.	India and Ceylon.	South Africa.	Portugal and Spain.	N.F.I. and British Malaya.	Other.	Total.
Animal Products ...	1,353	...	...	...	...	...	...	...	1,353
Bamboos, Canes ...	414	...	...	...	...	...	...	...	414
Fibres, Flosses ...	...	...	...	744	...	...	...	...	744
Drugs, Spices ...	1,843	132	4,902	190	...	...	...	793	7,860
Gums, Resins, Lacs ...	3,280	...	...	...	...	...	84	...	3,373
Rubber and Latex ...	618	...	...	1,010	4,678	...	...	...	6,306
Tan-stuffs, Dyestuffs ...	5,253	141	674	262	...	...	...	182	6,512
Vegetable Oils ...	...	...	...	...	...	...	...	...	...
SUB-TOTAL ...	12,770	273	5,576	2,206	4,678	...	84	975	26,562
DERIVATIVES FROM MINOR PRODUCTS—									
Cork and Cork Manufactures ...	1,467	162	...	...	...	3,311	...	27	4,967
Coconut Products ...	157,335	7	42	794	...	...	...	*208	1,002
Rubber Manufactures ...	158,802	169	42	794	...	3,311	...	...	157,384
SUB-TOTAL ...	171,572	442	5,618	3,000	4,678	3,311	84	235	168,353
GRAND TOTAL ...									189,915

\*New Guinea.

TABLE IV A.—*continued.*  
GROSS IMPORTS FROM DIFFERENT SOURCES, 1944-45.

*Minor Forest Products.*

Value in £ Sterling.

Category.	Australia.	United Kingdom.	U.S.A.	India and Ceylon.	South Africa.	Portugal and Spain.	Other.	Total.
Animal Products ...	1,400	...	...	...	...	...	...	1,400
Bamboos, Canes ...	1,387	...	...	192	...	...	...	1,579
Fibres, Flosses ...	...	...	...	4,765	...	...	...	4,765
Drugs, Spices ...	...	...	...	2,154	...	...	...	2,154
Gums, Resins, Lac. ...	4,224	88	721	887	28	...	120	6,068
Rubber and Latex ...	2,190	...	...	...	...	...	120	2,310
Tanstuffs, Dyestuffs ...	2,434	...	...	1,961	2,736	...	278	7,400
Vegetable Oils ...	390	375	934	1,259	...	...	*7,656	10,614
SUB-TOTAL ...	12,025	463	1,655	11,218	2,764	...	8,174	36,299
DERIVATIVES FROM MINOR PRODUCTS—								
Cork and Cork Manufacture ...	2,795	75	...	...	...	14,298	...	17,168
Coconut Products ...	...	...	...	1,334	...	...	...	1,334
Rubber Manufactures ...	213,425	94	48	...	...	...	...	213,567
SUB-TOTAL ...	216,220	169	48	1,334	...	14,298	...	232,069
GRAND TOTAL ...	228,245	632	1,703	12,552	2,764	14,298	8,174	268,368

\*£6,680, Madagascar.

TABLE IV B.

AVERAGE GROSS ANNUAL EXPORTS TO DIFFERENT DESTINATIONS FOR FIVE YEARS ENDING, 1938

*Minor Forest Products.*

Value in £ Sterling f.o.b.

Category.	Australia.	United Kingdom.	U.S.A.	Europe and Scandinavia.	India and Ceylon.	N.E.I. and British Malaya.	China.	South Africa.	Other.	Total.
Animal Products ...	33,098	1,574	4,473	149	21	148	9	...	5	39,477
Gums and Resins ...	115	518	...	252	2	...	21	...	25	933
Sandalwood ...	...	...	...	...	2,992	3,451	40,493	...	385	47,321
Tanstuffs ...	16,496	3,663	...	4,985	13	...	139	...	190	25,486
Vegetable Oils ...	5,510	11,618	6	3,131	119	1,098	1,719	149	2,928	26,278
SUB-TOTAL ...	55,219	17,373	4,479	8,517	3,147	4,697	42,381	149	3,533	139,495
DERIVATIVES FROM MINOR PRODUCTS—										
Cork and Cork Manufactures ...	32	...	...	...	...	...	...	...	3	35
Rubber Manufactures ...	6,925	...	...	...	...	...	...	...	...	6,925
SUB-TOTAL ...	6,957	...	...	...	...	...	...	...	3	6,960
GRAND TOTAL ...	62,176	17,373	4,479	8,517	3,147	4,697	42,381	149	3,536	146,455



TABLE IV A.—*continued.*  
GROSS IMPORTS FROM DIFFERENT SOURCES, 1944-45.

*Minor Forest Products.*

Value in £ Sterling.

Category.	Australia.	United Kingdom.	U.S.A.	India and Ceylon.	South Africa.	Portugal and Spain.	Other.	Total.
Animal Products ...	1,400	...	...	...	...	...	...	1,400
Bamboos, Canes ...	1,387	...	...	192	...	...	...	1,579
Fibres, Flosses ...	...	...	...	4,765	...	...	...	4,765
Drugs, Spices ...	...	...	...	2,154	...	...	...	2,154
Gums, Resins, Lac. ...	4,224	88	721	887	28	...	120	6,068
Rubber and Latex ...	2,190	...	...	...	...	...	120	2,310
Tanstuffs, Dyestuffs ...	2,434	...	...	1,961	2,736	...	278	7,409
Vegetable Oils ...	390	375	934	1,259	...	...	*7,656	10,614
SUB-TOTAL ...	12,025	463	1,655	11,218	2,764	...	8,174	36,299
DERIVATIVES FROM MINOR PRODUCTS—								
Cork and Cork Manufacture ...	2,795	75	...	...	...	14,298	...	17,168
Coconut Products ...	...	...	...	1,334	...	...	...	1,334
Rubber Manufactures ...	213,425	94	48	...	...	...	...	213,567
SUB-TOTAL ...	216,220	169	48	1,334	...	14,298	...	232,060
GRAND TOTAL ...	228,245	632	1,703	12,552	2,764	14,298	8,174	268,368

\*£6,680, Madagascar.

TABLE IV B.  
AVERAGE GROSS ANNUAL EXPORTS TO DIFFERENT DESTINATIONS FOR FIVE YEARS ENDING, 1938

*Minor Forest Products.*

Value in £ Sterling f.o.b.

Category.	Australia.	United Kingdom.	U.S.A.	Europe and Scandinavia.	India and Ceylon.	N.E.I. and British Malaya.	China.	South Africa.	Other.	Total.
Animal Products ...	33,098	1,574	4,473	149	21	148	9	...	5	39,477
Gums and Resins ...	115	518	...	252	2	...	21	...	25	933
Sandalwood ...	...	...	...	...	2,992	3,451	40,493	...	385	47,321
Tanstuffs ...	16,496	3,663	...	4,985	13	...	139	...	190	25,486
Vegetable Oils ...	5,510	11,618	6	3,131	119	1,098	1,719	149	2,928	26,278
SUB-TOTAL ...	55,219	17,373	4,479	8,517	3,147	4,697	42,381	149	3,533	139,495
DERIVATIVES FROM MINOR PRODUCTS—										
Cork and Cork Manufactures ...	32	...	...	...	...	...	...	...	3	35
Rubber Manufactures ...	6,925	...	...	...	...	...	...	...	...	6,925
SUB-TOTAL ...	6,957	...	...	...	...	...	...	...	3	6,960
GRAND TOTAL ...	62,176	17,373	4,479	8,517	3,147	4,697	42,381	149	3,536	146,455

TABLE IVB.—*continued.*  
EXPORTS TO VARIOUS DESTINATIONS, 1938-39.

*Minor Forest Products.*

Value in £ Sterling f.o.b.

Category.	Australia.	United Kingdom.	U.S.A.	China.	India and Ceylon.	Europe and Scandinavia.	N.E.I. and British Malaya.	Other.	Total.
Animal Products ... ..	22,872	2,376	4,247	...	24	...	240	...	29,759
Gums and Resins ... ..	178	240	...	...	...	...	...	131	549
Sandalwood ... ..	...	...	...	26,630	673	...	2,837	169	30,309
Tanstuffs ... ..	23,800	14,400	...	2,150	...	12,020	...	532	52,902
Vegetable Oils ... ..	6,020	11,716	...	1,007	...	...	966	742	20,451
SUB-TOTAL ... ..	52,870	28,732	4,247	29,787	697	12,020	4,043	1,574	133,970
DERIVATIVES FROM MINOR PRODUCTS—									
Cork and Cork Manufactures ... ..	32	...	...	...	...	...	...	...	32
Rubber Manufactures ... ..	6,100	57	...	...	...	...	...	...	6,157
SUB-TOTAL ... ..	6,132	57	...	...	...	...	...	...	6,189
GRAND TOTAL ... ..	59,002	28,789	4,247	29,787	697	12,020	4,043	1,574	140,159

TABLE IVB.—*continued.*  
EXPORTS TO VARIOUS DESTINATIONS, 1939-40.

*Minor Forest Products.*

Value in £ Sterling f.o.b.

Category.	Australia.	United Kingdom.	U.S.A.	China.	India and Ceylon.	Europe and Scandinavia.	N.E.I. and British Malaya.	Other.	Total.
Animal Products ... ..	27,584	6,384	3,693	...	74	...	481	...	38,216
Gums and Resins ... ..	307	796	...	...	...	...	...	...	1,103
Sandalwood ... ..	...	...	...	26,616	1,302	...	5,360	...	33,278
Tanstuffs ... ..	38,322	26,320	...	...	...	4,308	724	1,833	71,507
Vegetable Oils ... ..	10,654	19,987	2,004	617	275	842	2,572	1,113	38,064
SUB-TOTAL ... ..	76,867	53,487	5,697	27,233	1,651	5,150	9,137	2,946	182,168
DERIVATIVES FROM MINOR PRODUCTS—									
Cork and Cork Manufactures ... ..	11	...	...	...	...	...	...	...	11
Rubber Manufactures ... ..	7,339	...	...	...	...	...	...	...	7,339
SUB-TOTAL ... ..	7,350	...	...	...	...	...	...	...	7,350
GRAND TOTAL ... ..	84,217	53,487	5,697	27,233	1,651	5,150	9,137	2,946	189,518

TABLE IVB.—*continued.*  
EXPORTS TO VARIOUS DESTINATIONS, 1938-39.

*Minor Forest Products.*

Value in £ Sterling f.o.b.

Category.	Australia.	United Kingdom.	U.S.A.	China.	India and Ceylon.	Europe and Scandinavia.	N.E.I. and British Malaya.	Other.	Total.
Animal Products ...	22,872	2,376	4,247	...	24	...	240	...	29,759
Gums and Resins ...	178	240	...	...	...	...	...	131	549
Sandalwood ...	...	...	...	26,630	673	...	2,837	169	30,309
Tanstuffs ...	23,800	14,400	...	2,150	...	12,020	...	532	52,902
Vegetable Oils ...	6,020	11,716	...	1,007	...	...	966	742	20,451
SUB-TOTAL ...	52,870	28,732	4,247	29,787	697	12,020	4,043	1,574	133,970
DERIVATIVES FROM MINOR PRODUCTS—									
Cork and Cork Manufactures ...	32	...	...	...	...	...	...	...	32
Rubber Manufactures ...	6,100	57	...	...	...	...	...	...	6,157
SUB-TOTAL ...	6,132	57	..	..	...	...	...	...	6,189
GRAND TOTAL ...	59,002	28,789	4,247	29,787	697	12,020	4,043	1,574	140,159

TABLE IVB.—*continued.*  
EXPORTS TO VARIOUS DESTINATIONS, 1939-40.

*Minor Forest Products.*

Value in £ Sterling f.o.b.

Category.	Australia.	United Kingdom.	U.S.A.	China.	India and Ceylon.	Europe and Scandinavia.	N.E.I. and British Malaya.	Other.	Total.
Animal Products ...	27,584	6,384	3,693	...	74	...	481	...	38,216
Gums and Resins ...	307	796	...	...	...	...	...	...	1,103
Sandalwood ...	...	...	...	26,616	1,302	...	5,360	...	33,278
Tanstuffs ...	38,322	26,320	...	...	...	4,308	724	1,833	71,507
Vegetable Oils ...	10,654	19,987	2,004	617	275	842	2,572	1,113	38,064
SUB-TOTAL ...	76,867	53,487	5,697	27,233	1,651	5,150	9,137	2,946	182,168
DERIVATIVES FROM MINOR PRODUCTS—									
Cork and Cork Manufactures ...	11	...	...	...	...	...	...	...	11
Rubber Manufactures ...	7,339	...	...	...	...	...	...	...	7,339
SUB-TOTAL ...	7,350	...	...	...	...	...	...	...	7,350
GRAND TOTAL ...	84,217	53,487	5,697	27,233	1,651	5,150	9,137	2,946	189,518

TABLE IVB.—*continued.*  
EXPORTS TO VARIOUS DESTINATIONS, 1938-39.

*Minor Forest Products.*

Value in £ Sterling f.o.b.

Category.	Australia.	United Kingdom.	U.S.A.	China.	India and Ceylon.	Europe and Scandinavia.	N.E.I. and British Malaya.	Other.	Total.
Animal Products ...	22,872	2,376	4,247	...	24	...	240	...	29,759
Gums and Resins ...	178	240	...	...	...	...	...	131	549
Sandalwood ...	...	...	...	26,630	673	...	2,837	169	30,309
Tanstuffs ...	23,800	14,400	...	2,150	...	12,020	...	532	52,902
Vegetable Oils ...	6,020	11,716	...	1,007	...	...	966	742	20,451
SUB-TOTAL ...	52,870	28,732	4,247	29,787	697	12,020	4,043	1,574	133,970
DERIVATIVES FROM MINOR PRODUCTS—									
Cork and Cork Manufactures ...	32	...	...	...	...	...	...	...	32
Rubber Manufactures ...	6,100	57	...	...	...	...	...	...	6,157
SUB-TOTAL ...	6,132	57	...	...	...	...	...	...	6,189
GRAND TOTAL ...	59,002	28,789	4,247	29,787	697	12,020	4,043	1,574	140,159

TABLE IVB.—*continued.*  
EXPORTS TO VARIOUS DESTINATIONS, 1939-40.

*Minor Forest Products.*

Value in £ Sterling f.o.b.

Category.	Australia.	United Kingdom.	U.S.A.	China.	India and Ceylon.	Europe and Scandinavia.	N.E.I. and British Malaya.	Other.	Total.
Animal Products ...	27,584	6,384	3,693	...	74	...	481	...	38,216
Gums and Resins ...	307	796	...	...	...	...	...	...	1,103
Sandalwood ...	...	...	...	26,616	1,302	...	5,360	...	33,278
Tanstuffs ...	38,322	26,320	...	...	...	4,308	724	1,833	71,507
Vegetable Oils ...	10,654	19,987	2,004	617	275	842	2,572	1,113	38,064
SUB-TOTAL ...	76,867	53,487	5,697	27,233	1,651	5,150	9,137	2,946	182,168
DERIVATIVES FROM MINOR PRODUCTS—									
Cork and Cork Manufactures ...	11	...	...	...	...	...	...	...	11
Rubber Manufactures ...	7,339	...	...	...	...	...	...	...	7,339
SUB-TOTAL ...	7,350	...	...	...	...	...	...	...	7,350
GRAND TOTAL ...	84,217	53,487	5,697	27,233	1,651	5,150	9,137	2,946	189,518

TABLE IVa.—continued.

## GROSS EXPORTS TO DIFFERENT DESTINATIONS, 1940-41.

*Minor Forest Products.*

Value in £ Sterling f.o.b.

Category.	Australia.	United Kingdom.	U.S.A.	China.	India and Ceylon.	N.E.I. and British Malaya.	Other.	Total.
Animal Products ... ..	26,997	3,124	12,371	...	78	1,458	...	44,028
Gums and Resins ... ..	91	...	...	...	...	...	...	91
Incense and Perfume Woods ...	...	...	...	31,400	1,297	5,418	...	38,115
Tanstuffs ... ..	38,837	50,526	...	...	16	891	234	90,504
Vegetable Oils ... ..	2,481	9,813	3,108	625	62	1,515	2,022	20,466
SUB-TOTAL ... ..	68,406	63,463	15,479	32,025	1,453	9,282	3,096	193,204
DERIVATIVES FROM MINOR PRODUCTS—								
Cork and Cork Manufactures	2,739	...	...	...	...	...	...	2,739
Rubber Manufactures ...	6,350	...	...	...	...	...	...	6,350
SUB-TOTAL ... ..	9,089	...	...	...	...	...	...	9,089
GRAND TOTAL ... ..	77,495	63,463	15,479	32,025	1,453	9,282	3,096	202,293

TABLE IVb.—continued.

## GROSS EXPORTS TO VARIOUS DESTINATIONS, 1941-42.

*Minor Forest Products.*

Value in £ Sterling f.o.b.

Category.	Australia.	United Kingdom.	U.S.A.	China.	India and Ceylon.	N.E.I. and British Malaya.	South Africa	Other.	Total.
Animal Products ... ..	32,212	1,176	5,820	...	1,780	3,280	...	2,735	47,003
Gums and Resins ... ..	812	...	...	...	...	...	...	...	812
Sandalwood ... ..	...	...	...	11,542	221	1,589	662	...	13,984
Tanstuffs, Dyestuffs ... ..	85,577	30,974	...	...	...	1,405	...	4,770	122,726
Vegetable Oils ... ..	7,217	10,094	2,006	...	40	2,247	2,416	1,656	25,676
SUB-TOTAL ... ..	125,818	42,244	7,826	11,542	2,041	8,491	3,078	9,161	210,201
DERIVATIVES FROM MINOR PRODUCTS—									
Cork and Cork Manufactures ...	1,826	...	...	...	...	...	...	...	1,826
Rubber Manufactures ...	10,174	...	...	...	92	...	...	...	10,266
SUB-TOTAL ... ..	12,000	...	...	...	92	...	...	...	12,092
GRAND TOTAL ... ..	137,818	42,244	7,826	11,542	2,133	8,491	3,078	9,161	222,293

TABLE IVB.—*continued.*

## GROSS EXPORTS TO DIFFERENT DESTINATIONS, 1940-41.

*Minor Forest Products.*

Value in £ Sterling f.o.b.

Category.	Australia.	United Kingdom.	U.S.A.	China.	India and Ceylon.	N.E.I. and British Malaya.	Other.	Total.
Animal Products ... ..	26,997	3,124	12,371	...	78	1,458	...	44,028
Gums and Resins ... ..	91	...	...	...	...	...	...	91
Incense and Perfume Woods ...	...	...	...	31,400	1,297	5,418	...	38,115
Tanstuffs ... ..	38,837	50,526	...	...	16	891	234	90,504
Vegetable Oils ... ..	2,481	9,813	3,108	625	62	1,515	2,022	20,466
SUB-TOTAL ... ..	68,406	63,463	15,479	32,025	1,453	9,282	3,096	193,204
DERIVATIVES FROM MINOR PRODUCTS—								
Cork and Cork Manufactures	2,739	...	...	...	...	...	...	2,739
Rubber Manufactures ...	6,350	...	...	...	...	...	...	6,350
SUB-TOTAL ... ..	9,089	...	...	...	...	...	...	9,089
GRAND TOTAL ... ..	77,495	63,463	15,479	32,025	1,453	9,282	3,096	202,293

TABLE IVB.—*continued.*

## GROSS EXPORTS TO VARIOUS DESTINATIONS, 1941-42.

*Minor Forest Products.*

Value in £ Sterling f.o.b.

Category.	Australia.	United Kingdom.	U.S.A.	China.	India and Ceylon.	N.E.I. and British Malaya.	South Africa	Other.	Total.
Animal Products ... ..	32,212	1,176	5,820	...	1,780	3,280	...	2,735	47,003
Gums and Resins ... ..	812	...	...	...	...	...	...	...	812
Sandalwood ... ..	...	...	...	11,542	221	1,589	662	...	13,984
Tanstuffs, Dyestuffs ... ..	85,577	30,974	...	...	...	1,405	...	4,770	122,726
Vegetable Oils ... ..	7,217	10,094	2,006	...	40	2,247	2,416	1,656	25,676
SUB-TOTAL ... ..	125,818	42,244	7,826	11,542	2,041	8,491	3,078	9,161	210,201
DERIVATIVES FROM MINOR PRODUCTS—									
Cork and Cork Manufactures ...	1,826	...	...	...	...	...	...	...	1,826
Rubber Manufactures ...	10,174	...	...	...	92	...	...	...	10,266
SUB-TOTAL ... ..	12,000	...	...	...	92	...	...	...	12,092
GRAND TOTAL ... ..	137,818	42,244	7,826	11,542	2,133	8,491	3,078	9,161	222,293

TABLE IVB.—*continued.*

## GROSS EXPORTS TO DIFFERENT DESTINATIONS, 1944-45.

*Minor Forest Products.*

Value in £ Sterling, f.o.b.

Category.	Australia.	United Kingdom.	U.S.A.	China.	India.	South Africa.	Other.	Total.
Animal Products ... ..	20,616	...	18,964	...	2,120	...	80	41,780
Gums, Resins, Lac. ... ..	300	...	...	...	...	...	...	300
Rubber and Latex ... ..	...	...	...	...	...	...	...	<i>Nil</i>
Incense and Perfume Woods ... ..	...	...	...	...	...	...	...	<i>Nil</i>
Tanstuffs ... ..	48,831	38,912	...	...	...	...	...	87,743
Vegetable Oils ... ..	2,400	8,381	...	...	...	1,405	...	12,186
SUB-TOTAL ... ..	72,147	47,293	18,964	<i>Nil</i>	2,120	1,405	80	142,009
DERIVATIVES FROM MINOR PRODUCTS—								
Cork and Cork Manufactures ... ..	...	...	...	...	...	...	...	...
Rubber Manufactures ... ..	3,647	...	...	...	...	...	...	3,647
SUB-TOTAL ... ..	3,647	...	...	...	...	...	...	3,647
GRAND TOTAL ... ..	75,794	47,292	18,964	<i>Nil</i>	2,120	1,405	80	145,656

## EMPLOYMENT AND CONSUMPTION—PRE-WAR.

The years 1934 to 1938 embraced the period of recovery from the economic depression of the early thirties. With each successive year production, trade, consumption and employment showed progressive and decided improvement. By 1937, conditions had become reasonably stable and continued so until the full impact of war was felt in 1941. Figures tabled below for the sawmilling industry, define the trend in the pre-war period :—

Year.	Log intake cubic feet in Round.	Number of Mills.	Men Employed in Sawmilling.	Men Employed in Hewing.
1934	27,593,522	50	1,912	800
1935	38,909,994	60	2,463	900
1936	44,836,747	84	2,766	800
1937	47,606,074	115	3,112	820
1938	47,666,384	134	3,188	720

A parallel trend is noted in employment and in consumption of materials in the principle wood-using secondary industries.

	No. of Persons Employed.		Wood Materials used. Value in £ Sterling.	
	1933-34.	1937-38.	1933-34.	1937-38.
Joinery ... ..	143	323	40,393	73,992
Furniture ... ..	444	754	89,438	158,880
Boxes and Crates ... ..	94	116	25,702	34,070

During the depression and for some years afterward, Forests Department organisation was adapted to effectively employ inexperienced and unskilled labour on reforestation work. In this way were regenerated, large areas of cut over forest which were in danger of deterioration. In 1933, some 1,250 relief workers were in regular part-time employment in the forests. By 1938, two-thirds of this number had been re-absorbed into other industry.

Table V. supplies annual figures for employment and the consumption of forest produce. Totals of "persons employed" and "values of material used", may be misleading as, for instance, figures for match production are not available for publication, and certain trades such as motor body building, use only an estimated proportion of wood together with other materials. The data is satisfactory for annual comparisons.

TABLE V.

## EMPLOYMENT AND CONSUMPTION.

Average Annual Employment of Labour in Forestry and Wood Consuming Industries for the five years ending, 1938.

Employment Category.	Number of Industrial Units.	Number of Persons Employed Annually.	Quantities of Wood used. Thousands cub. ft.	Values of Minor Products used. £ Sterling.
A. FORESTRY— Management, Silviculture, Protection ... ..	...	873*	...	...
B. INDUSTRIAL—				
(i) Primary :				
Sawmills ... ..	89	2,688 } 808 } 89 }	41,322	...
Hewing ... ..	...			...
Tanning Extracts ... ..	2		580	...
(ii) Secondary :				
Joinery ... ..	51	259	...	64,444
Furniture ... ..	80	625	...	130,682
Boxes and Crates ... ..	16	108	...	28,736
Cooperage ... ..	2	13	...	1,899
Wood turning and carving ... ..	6	25	...	7,930
Wickerwork ... ..	5	28	...	3,404
Manufactured Stationery, Paper Bags Card-board Boxes]... ..	6	87	...	16,626
Matches ... ..	1	61	...	†
Motor Body Building ... ..	21	211	...	‡11,000
TOTAL ... ..	279	5,875	41,902	264,721

\*Includes Casuals and Unemployment Relief Workers (667).  
‡Estimate.

†Not available for Publication.

TABLE V.—continued.

## EMPLOYMENT AND CONSUMPTION, 1938-39.

Forestry and Forest Industries Consuming Wood and Minor Forest Products.

Employment Category.	Number of Industrial Units.	Number of Persons Employed Annually.	Quantities of Wood used. Thousands cub. ft.	Values of Minor Products used. £ Sterling.
A. FORESTRY— Management, Silviculture, Protection ... ..	...	522*	...	...
B. INDUSTRIAL—				
(i) Primary :				
Sawmills ... ..	134	3,188	32,076	...
Hewing ... ..	...	550	8,257	...
Tanning Extracts ... ..	2	85	750	...
(ii) Secondary :				
Joinery ... ..	53	276	...	65,493
Furniture ... ..	88	700	...	145,834
Boxes and Crates ... ..	15	116	...	30,547
Cooperage ... ..	2	8	...	1,370
Wood turning and carving ... ..	5	8	...	1,370
Other Wood Work ... ..	3	19	...	3,742
Wickerwork ... ..	3	12	...	5,402
Manufactured Stationery ... ..	1	35	...	19,869
Paper Bags ... ..	4	57	...	...
Cardboard Boxes ... ..	2	34	...	...
Matches ... ..	1	55	...	...
Motor Body Building ... ..	11	218	...	...
TOTAL (INDUSTRIAL) ... ..	324	5,883	41,083	303,035

\*Approximate.

†Not available for publication.

‡Estimate.



TABLE V.

## EMPLOYMENT AND CONSUMPTION.

Average Annual Employment of Labour in Forestry and Wood Consuming Industries for the five years ending, 1938.

Employment Category.	Number of Industrial Units.	Number of Persons Employed Annually.	Quantities of Wood used. Thousands cub. ft.	Values of Minor Products used. £ Sterling.
A. FORESTRY— Management, Silviculture, Protection ... ..	...	873*	...	...
B. INDUSTRIAL—				
(i) Primary:				
Sawmills ... ..	89	2,688 } 808 } 89 }	41,322	...
Hewing ... ..	...			...
Tanning Extracts ... ..	2		580	...
(ii) Secondary:				
Joinery ... ..	51	259	...	64,444
Furniture ... ..	80	625	...	130,682
Boxes and Crates ... ..	16	108	...	28,736
Cooperage ... ..	2	13	...	1,899
Wood turning and carving ... ..	6	25	...	7,930
Wickerwork ... ..	5	28	...	3,404
Manufactured Stationery, Paper Bags Card-board Boxes]... ..	6	87	...	16,626
Matches ... ..	1	61	...	†
Motor Body Building ... ..	21	211	...	†11,000
TOTAL ... ..	279	5,875	41,902	264,721

\*Includes Casuals and Unemployment Relief Workers (667).  
†Estimate.

†Not available for Publication.

TABLE V.—continued.

## EMPLOYMENT AND CONSUMPTION, 1938-39.

Forestry and Forest Industries Consuming Wood and Minor Forest Products.

Employment Category.	Number of Industrial Units.	Number of Persons Employed Annually.	Quantities of Wood used. Thousands cub. ft.	Values of Minor Products used. £ Sterling.
A. FORESTRY— Management, Silviculture, Protection ... ..	...	522*	...	...
B. INDUSTRIAL—				
(i) Primary:				
Sawmills ... ..	134	3,188	32,076	...
Hewing ... ..	...	550	8,257	...
Tanning Extracts ... ..	2	85	750	...
(ii) Secondary:				
Joinery ... ..	53	276	...	65,493
Furniture ... ..	88	700	...	145,834
Boxes and Crates ... ..	15	116	...	30,547
Cooperage ... ..	2	8	...	1,370
Wood turning and carving ... ..	5	8	...	1,370
Other Wood Work ... ..	3	19	...	3,742
Wickerwork ... ..	3	12	...	5,402
Manufactured Stationery ... ..	1	35	...	19,869
Paper Bags ... ..	4	57	...	19,869
Cardboard Boxes ... ..	2	34	...	19,869
Matches ... ..	1	55	...	†
Motor Body Building ... ..	11	218	...	19,500
TOTAL (INDUSTRIAL) ... ..	324	5,883	41,083	303,035

\*Approximate.

†Not available for publication.

†Estimate.

TABLE V.—*continued.*

## EMPLOYMENT AND CONSUMPTION, 1939-40.

*Employment of Labour in Forestry and Wood Consuming Industries.*

Employment Category.	Number of Industrial Units.	Number of Persons Employed Annually.	Quantities of Wood used. Thousands cub. ft.	Values of Minor Products used. £ Sterling.
A. FORESTRY ... ..	...	420‡	...	...
B. INDUSTRIAL—				
(i) <i>Primary</i> :				
Sawmills ... ..	138	2,950	27,660	...
Hewers ... ..	...	460	6,209	...
Tanning Extracts ... ..	2	90‡	889	...
(ii) <i>Secondary</i> :				
Joinery ... ..	52	270	...	56,364
Furniture ... ..	88	644	...	140,818
Boxes and Crates ... ..	15	118	...	33,915
Cooperage ... ..	2	} 12	...	2,103
Wood turning and carving ... ..	3		...	...
Wickerwork ... ..	5	22	...	3,360
Manufactured Stationery ... ..	1	36	...	6,150
Paper Bags, Cardboard Boxes ... ..	6	101	...	23,820
Matches ... ..	1	61	...	*
Motor Body Building ... ..	11	171	...	†9,000
TOTAL ... ..	324	5,355	34,758	275,530

\*Not available.

†Estimate.

‡Approximate.

TABLE V.—*continued.*

## EMPLOYMENT AND CONSUMPTION, 1940-41.

*Employment of Labour in Forestry and Wood Consuming Industries.*

Employment Category.	Number of Industrial Units.	Number of Persons Employed Annually.	Quantities of Wood used. Thousands cub. ft.	Values of Minor Products used. £ Sterling.
A. FORESTRY ... ..	...	‡400	...	...
B. INDUSTRIAL—				
(i) <i>Primary</i> :				
Sawmills ... ..	140	2,946	31,949	...
Hewers ... ..	...	370	6,429	...
Tanning Extracts ... ..	2	‡90	1,247	...
(ii) <i>Secondary</i> :				
Joinery ... ..	51	241	...	76,230
Furniture ... ..	84	604	...	152,049
Boxes and Crates ... ..	16	132	...	37,358
Cooperage, Wood turning and carving ... ..	6	13	...	1,597
Wickerwork ... ..	5	21	...	3,959
Manufactured Stationery ... ..	1	34	...	6,432
Paper Bags ... ..	4	65	} ...	28,714
Cardboard Boxes ... ..	3	40		...
Matches ... ..	1	61	...	*
Motor Body Building ... ..	11	127	...	†8,000
TOTAL ... ..	324	5,144	39,625	314,339

\*Not available.

†Estimate.

‡Approximate.

TABLE V.—*continued.*

## EMPLOYMENT AND CONSUMPTION, 1939-40.

*Employment of Labour in Forestry and Wood Consuming Industries.*

Employment Category.	Number of Industrial Units.	Number of Persons Employed Annually.	Quantities of Wood used. Thousands cub. ft.	Values of Minor Products used. £ Sterling.
A. FORESTRY ... ..	...	420‡	...	...
B. INDUSTRIAL—				
(i) <i>Primary</i> :				
Sawmills ... ..	138	2,950	27,660	...
Hewers ... ..	...	460	6,209	...
Tanning Extracts ... ..	2	90‡	889	...
(ii) <i>Secondary</i> :				
Joinery ... ..	52	270	...	56,364
Furniture ... ..	88	644	...	140,818
Boxes and Crates ... ..	15	118	...	33,915
Cooperage ... ..	2	} 12	...	2,103
Wood turning and carving ... ..	3		...	...
Wickerwork ... ..	5		22	3,360
Manufactured Stationery ... ..	1	36	...	6,150
Paper Bags, Cardboard Boxes ... ..	6	101	...	23,820
Matches ... ..	1	61	...	*
Motor Body Building ... ..	11	171	...	†9,000
TOTAL ... ..	324	5,355	34,758	275,530

\*Not available.

†Estimate.

‡Approximate.

TABLE V.—*continued.*

## EMPLOYMENT AND CONSUMPTION, 1940-41.

*Employment of Labour in Forestry and Wood Consuming Industries.*

Employment Category.	Number of Industrial Units.	Number of Persons Employed Annually.	Quantities of Wood used. Thousands cub. ft.	Values of Minor Products used. £ Sterling.
A. FORESTRY ... ..	...	‡400	...	...
B. INDUSTRIAL—				
(i) <i>Primary</i> :				
Sawmills ... ..	140	2,946	31,949	...
Hewers ... ..	...	370	6,429	...
Tanning Extracts ... ..	2	‡90	1,247	...
(ii) <i>Secondary</i> :				
Joinery ... ..	51	241	...	76,230
Furniture ... ..	84	604	...	152,049
Boxes and Crates ... ..	16	132	...	37,358
Cooperage, Wood turning and carving ... ..	6	13	...	1,597
Wickerwork ... ..	5	21	...	3,959
Manufactured Stationery ... ..	1	34	...	6,432
Paper Bags ... ..	4	65	} ...	28,714
Cardboard Boxes ... ..	3	40		...
Matches ... ..	1	61		...
Motor Body Building ... ..	11	127	...	†8,000
TOTAL ... ..	324	5,144	39,625	314,339

\*Not available.

†Estimate.

‡Approximate.

TABLE V.—*continued.*

## EMPLOYMENT AND CONSUMPTION, 1939-40.

*Employment of Labour in Forestry and Wood Consuming Industries.*

Employment Category.	Number of Industrial Units.	Number of Persons Employed Annually.	Quantities of Wood used. Thousands cub. ft.	Values of Minor Products used. £ Sterling.
A. FORESTRY ... ..	...	420‡	...	...
B. INDUSTRIAL—				
(i) <i>Primary</i> :				
Sawmills ... ..	138	2,950	27,660	...
Hewers ... ..	...	460	6,209	...
Tanning Extracts ... ..	2	90‡	889	...
(ii) <i>Secondary</i> :				
Joinery ... ..	52	270	...	56,364
Furniture ... ..	88	644	...	140,818
Boxes and Crates ... ..	15	118	...	33,915
Cooperage ... ..	2	} 12	...	2,103
Wood turning and carving ... ..	3		...	...
Wickerwork ... ..	5		22	3,360
Manufactured Stationery ... ..	1	36	...	6,150
Paper Bags, Cardboard Boxes ... ..	6	101	...	23,820
Matches ... ..	1	61	...	*
Motor Body Building ... ..	11	171	...	†9,000
TOTAL ... ..	324	5,355	34,758	275,530

\*Not available.

†Estimate.

‡Approximate.

TABLE V.—*continued.*

## EMPLOYMENT AND CONSUMPTION, 1940-41.

*Employment of Labour in Forestry and Wood Consuming Industries.*

Employment Category.	Number of Industrial Units.	Number of Persons Employed Annually.	Quantities of Wood used. Thousands cub. ft.	Values of Minor Products used. £ Sterling.	
A. FORESTRY ... ..	...	‡400	...	...	
B. INDUSTRIAL—					
(i) <i>Primary</i> :					
Sawmills ... ..	140	2,946	31,949	...	
Hewers ... ..	...	370	6,429	...	
Tanning Extracts ... ..	2	‡90	1,247	...	
(ii) <i>Secondary</i> :					
Joinery ... ..	51	241	...	76,230	
Furniture ... ..	84	604	...	152,049	
Boxes and Crates ... ..	16	132	...	37,358	
Cooperage, Wood turning and carving ... ..	6	13	...	1,597	
Wickerwork ... ..	5	21	...	3,959	
Manufactured Stationery ... ..	1	34	...	6,432	
Paper Bags ... ..	4	65	} ...	28,714	
Cardboard Boxes ... ..	3	40		...	*
Matches ... ..	1	61		...	†8,000
Motor Body Building ... ..	11	127	...	...	
TOTAL ... ..	324	5,144	39,625	314,339	

\*Not available.

†Estimate.

‡Approximate.

TABLE V.—*continued.*

## EMPLOYMENT AND CONSUMPTION, 1941-42.

*Employment of Labour in Forestry and Wood Consuming Industries.*

Employment Category.	Number of Industrial Units.	Number of Persons Employed Annually.	Quantities of Wood used. Thousands cub. ft.	Values of Minor Products used. £ Sterling.
A. FORESTRY ... ..	...	1400	...	...
B. INDUSTRIAL—				
(i) <i>Primary:</i>				
Sawmills ... ..	131	2,660	29,732	...
Hewers ... ..	...	150	2,518	...
Tanning Extracts ... ..	2	†90	1,525	...
(ii) <i>Secondary:</i>				
Joinery ... ..	47	242	...	62,078
Furniture ... ..	78	543	...	143,908
Boxes and Crates ... ..	13	136	...	36,240
Cooperage, Wood turning and carving ... ..	5	15	...	3,828
Wickerwork ... ..	6	19	...	4,416
Manufactured Stationery ... ..	1	28	...	4,972
Paper Bags ... ..	4	55	...	...
Cardboard Boxes ... ..	4	44	...	33,999
Matches ... ..	1	67	...	*
Motor Body Building ... ..	11	172	...	†16,000
TOTAL ... ..	303	4,621	33,775	245,441

\*Not available.

†Estimate.

‡Approximate.

TABLE V.—*continued.*

## EMPLOYMENT AND CONSUMPTION, 1942-43.

*Employment of Labour in Forestry and Wood Consuming Industries.*

Employment Category.	Number of Industrial Units.	Number of Persons Employed Annually.	Quantities of Wood used. Thousands cub. ft.	Values of Minor Products used. £ Sterling.
A. FORESTRY— Management, Silviculture, Protection ... ..	...	380	...	...
B. INDUSTRIAL—				
(i) <i>Primary:</i>				
Sawmills ... ..	114	2,615	27,162	...
Hewers ... ..	...	91	766	...
Tanning Extracts ... ..	2	†90	1,217	...
(ii) <i>Secondary:</i>				
Joinery ... ..	42	208	...	51,463
Furniture ... ..	61	428	...	130,630
Boxes and Crates ... ..	13	120	...	37,244
Cooperage, Wood turning and carving ... ..	1	1	...	†
Wickerwork ... ..	5	12	...	1,704
Manufactured Stationery ... ..	1	28	...	5,213
Paper Bags ... ..	5	53	...	22,700
Cardboard Boxes ... ..	4	30	...	5,628
Matches ... ..	1	69	...	*
Motor Body Building ... ..	11	165	...	†16,000
TOTAL ... ..	260	4,290	29,145	270,582

\*Not for publication.

†Estimate.

‡Included under Joinery.

TABLE V.—*continued.*

## EMPLOYMENT AND CONSUMPTION, 1941-42.

*Employment of Labour in Forestry and Wood Consuming Industries.*

Employment Category.	Number of Industrial Units.	Number of Persons Employed Annually.	Quantities of Wood used. Thousands cub. ft.	Values of Minor Products used. £ Sterling.
A. FORESTRY ... ..	...	1400	...	...
B. INDUSTRIAL—				
(i) <i>Primary</i> :				
Sawmills ... ..	131	2,660	29,732	...
Hewers ... ..	...	150	2,518	...
Tanning Extracts ... ..	2	†90	1,525	...
(ii) <i>Secondary</i> :				
Joinery ... ..	47	242	...	62,078
Furniture ... ..	78	543	...	143,908
Boxes and Crates ... ..	13	136	...	36,240
Cooperage, Wood turning and carving ... ..	5	15	...	3,828
Wickerwork ... ..	6	19	...	4,416
Manufactured Stationery ... ..	1	28	...	4,972
Paper Bags ... ..	4	55	...	...
Cardboard Boxes ... ..	4	44	...	33,999
Matches ... ..	1	67	...	*
Motor Body Building ... ..	11	172	...	†16,000
TOTAL ... ..	303	4,621	33,775	245,441

\*Not available.

†Estimate.

‡Approximate.

TABLE V.—*continued.*

## EMPLOYMENT AND CONSUMPTION, 1942-43.

*Employment of Labour in Forestry and Wood Consuming Industries.*

Employment Category.	Number of Industrial Units.	Number of Persons Employed Annually.	Quantities of Wood used. Thousands cub. ft.	Values of Minor Products used. £ Sterling.
A. FORESTRY—				
Management, Silviculture, Protection ... ..	...	380	...	...
B. INDUSTRIAL—				
(i) <i>Primary</i> :				
Sawmills ... ..	114	2,615	27,162	...
Hewers ... ..	...	91	766	...
Tanning Extracts ... ..	2	†90	1,217	...
(ii) <i>Secondary</i> :				
Joinery ... ..	42	208	...	51,463
Furniture ... ..	61	428	...	130,630
Boxes and Crates ... ..	13	120	...	37,244
Cooperage, Wood turning and carving ... ..	1	1	...	†
Wickerwork ... ..	5	12	...	1,704
Manufactured Stationery ... ..	1	28	...	5,213
Paper Bags ... ..	5	53	...	22,700
Cardboard Boxes ... ..	4	30	...	5,628
Matches ... ..	1	69	...	*
Motor Body Building ... ..	11	165	...	†16,000
TOTAL ... ..	260	4,290	29,145	270,582

\*Not for publication.

†Estimate.

‡Included under Joinery.

TABLE V.—*continued.*

## EMPLOYMENT AND CONSUMPTION, 1943-44.

*Employment of Labour in Forestry and Wood Consuming Industries.*

Employment Category.	Number of Industrial Units.	Number of Persons Employed Annually.	Quantities of Wood used. Thousands cub. ft.	Values of Minor Products used. £ Sterling.
A. FORESTRY— Management, Silviculture and Protection ...	...	370	...	...
B. INDUSTRIAL—				
(i) <i>Primary</i> :				
Sawmills ... ..	118	2,718	26,384	...
Hewers ... ..	...	23	325	...
Tanning Extracts ... ..	2	†90	1,078	...
(ii) <i>Secondary</i> :				
Joinery ... ..	43	270	...	140,612
Furniture ... ..	59	425	...	112,716
Boxes and Crates ... ..	12	140	...	39,495
Wood turning and carving ... ..	2	2	...	†
Wickerwork ... ..	4	4	...	2,271
Manufactured Stationery ... ..	1	32	...	6,839
Paper Bags ... ..	5	62	...	25,448
Cardboard Boxes ... ..	4	27	...	8,714
Matches ... ..	1	71	...	*
Motor Body Building ... ..	11	180	...	†15,000
TOTAL ... ..	262	4,414	27,787	351,095

\*Not available.

†Estimate.

‡Included under Joinery.

TABLE V.—*continued.*

## EMPLOYMENT AND CONSUMPTION, 1944-45.

*Employment of Labour in Forestry and Wood Consuming Industries.*

Employment Category.	Number of Industrial Units.	Number of Persons Employed Annually.	Quantities of Wood used. Thousands cub. ft.	Values of Minor Products used. £ Sterling.
A. FORESTRY ... ..	...	343	...	...
B. INDUSTRIAL—				
(i) <i>Primary</i> :				
Sawmills ... ..	118	2,793	26,087	...
Hewing ... ..	...	14	192	...
Tanning Extracts ... ..	2	†90	945	...
(ii) <i>Secondary</i> :				
Joinery ... ..	41	264	...	145,114
Furniture ... ..	66	470	...	123,470
Boxes and Crates ... ..	10	143	...	50,166
Cooperage ... ..	...	...	...	...
Wood turning and carving ... ..	5	22	...	1,299
Wickerwork ... ..	5	14	...	2,982
Manufactured Stationery ... ..	1	28	...	4,054
Paper Bags, etc. ... ..	4	46	...	22,120
Cardboard Boxes ... ..	4	30	...	13,180
Matches ... ..	1	71	...	*
Motor Body Building ... ..	11	186	...	†16,000
TOTAL ... ..	268	4,514	27,224	378,385

\*Not available.

†Estimate.

## F. PRE-WAR FOREST POLICY AND MANAGEMENT.

(i) *A Brief Outline of Forest Policy.*

Forestry in Western Australia is still in the early stages. The first step taken towards proper Forest Management was the classification of the then remaining forests of the State and this was followed by the dedication as State Forest, for the growth of timber in perpetuity, of 3,300,000 acres.

The next step was the regulation of the cut, involving reduction to the log production which it was estimated could be maintained in perpetuity. The general sawmilling Working Plan was reviewed at the end of the first 10 year period in 1938.

The aim has been to maintain the existing Timber Industry as far as possible to ensure continuity of production and employment for the people.

For all hardwood general sawmills the combined cut is set down at 30,000,000 cubic feet in the round per annum for the next 30 years. The cut in the years just prior to the war, slightly exceeded this figure.

In marking for trade cutting special attention has been paid to the retention of vigorously growing trees in those size classes in the growing stock which, though millable today, are required to provide the yield in the next cutting cycle.

Owing to the sparse nature of the Jarrah crop and the comparative quickness with which dominant members develop mishapen growth there is a scarcity of pile and poles of good form. Cutting of these for trade purposes has had to be prohibited to ensure an adequate growing stock in the immature group.

The proportion of hardwood to softwood in the timber consumed in Western Australia is very high ; nevertheless some softwood is required. A small programme of 1,000 acres per annum has been adopted for this State, but will probably require expansion as the years advance.

A small volume of Wandoo, Tuart, Blackbutt, Sheoak and Banksia is cut in a number of small mills. The areas of forest of these Eucalypt species to be maintained are very small, but some Sheoak and Banksia can always be derived from the Jarrah Forest.

In the alienation of land in the South-Western region of the State, provision has been made for the retention of marketable timber to the Crown.

Protection of the forests from fire is probably the most important duty of the Forests Department. The aim has been to reduce hazards on fire-danger areas, such as roads and railways, by advance burning, and to create some safety barriers in the same way, but to protect the remainder of the forest from fire. One of the fundamentals of Fire Control has been the broadcast daily of Fire Weather Hazard, the forecasts being made by Departmental Weather Stations in the forest in co-operation with the Commonwealth Government Meteorologist.

Wandoo extract is produced from the wood of Wandoo (*Euc. redunca* var. *elata*) and the value of the exported product in 1938 was £40,000 Sterling. Supplies of raw material are obtained from private property and from poor forest on Crown Lands which will ultimately be released for settlement.

The firewood requirements of the State amounting to approximately 700,000 tons annually, are met principally from Crown Lands under permits and licenses granted by the Forests Department. On the goldfields where about one-third of the quantity is used, the firewood supplies are obtained from green timber. In the South-Western portion of the State, ample supplies of dead waste wood, together with sawn mill waste are available to meet all requirements.

Sandalwood export has been most a important trade for the past century, the value of the total exports being nearly £5,000,000 Sterling. Comparatively recently, oil has been distilled in this State for export to Europe.

Sandalwood has been exported mainly from Western and South Australia. In order to ensure stability of the market, a single unit with control under the supervision of the governments of South Australia and Western Australia, has been established to cover all the activities in Sandalwood in the two States, and the sales organisation in Australia and China.

The inland wooded areas of the State may be divided into four main belts. The wheat belt forests, which have been cleared in the process of development and wheat farming, the goldfields Eucalypt forests extending Eastwards to the Nullabor Plain, the mulga zone (*acacia* spp.), reaching through the Eastern goldfields to the dry interior, and the Kimberley woodlands.

The Goldfields Eucalypt Forests cover some 18,000,000 acres of which 6,000,000 acres have already been cut over for firewood and mining timber. Cutting is followed by regeneration, the growth of which is slow, but as there is no fire problem, the work of reforestation lies mainly in protection of the young growth from any trade cutting. The oldest of the young stands are now nearly 50 years of age.

In the Mulga Zone, cutting is allowed for mining timber and mines firewood, but because of the value of Mulga as top feed for stock in drought years and in preventing soil erosion, cutting is not permitted on country which is not carrying more than seven healthy growing Mulga trees over four feet in height, to the square chain. On areas being cut over, cutters are required to leave a minimum of seven such trees to the square chain. In addition, cutting is prohibited of all timber within twenty chains of all water courses, water holes, shearing sheds and sheep and cattle station homesteads.



In the Kimberleys, apart from a few small belts of *Callitris*, the only sawmill logs occur along the rivers. This timber is cut locally for pastoral requirements for house and shed building, stockyards, etc., but is negligible in quantity. The total value of timber is very small and any ordinary trade cutting is prohibited.

The Forests Department of Western Australia maintains on behalf of buyers, an inspection branch to inspect timber in accordance with Australian Standard Grading Rules as published by the Standards Association of Australia.

Research in Forestry must always be conducted by the State Forest Service, the investigations being an integral part of the silvicultural work of a fairly large organisation under highly trained personnel capable of initiating their own studies. Investigation of Jarrah and Karri growth, thinning projects, fire weather forecasting, pine nutrition and establishment, etc., are included.

In Utilisation, the Division of Forest Products of the Council for Scientific and Industrial Research in Melbourne, undertakes studies in methods and procedure in timber cutting and working. Owing to the great distance from that centre, the West Australian Forests Department has maintained its own Utilisation Branch to advise on many of the problems created on the Utilisation side by various sawmilling and woodworking operations.

(ii) *A Brief Outline of the Position of Forest Management.*

The area of forest brought under management and fire protection, approximates to 2,000,000 acres. Of an area of 1,220,000 acres which has been cut over, 615,000 acres (inclusive of firebreak and enclosed areas), has been treated for regeneration.

Trade cutting, first step in regeneration operations, is controlled over an area of about 50,000 acres annually, by tree-marking, under a group selection system. Tree-marking has ensured orderly cutting, more intensive utilisation and the retention of the younger age classes.

Following controlled logging operations, a minimum of regeneration clearing is necessary to establish the new crop. Concurrent with this work "top disposal," or the controlled burying of logging debris, is carried out to ensure for the seedling and coppice growth, an initial period free from fire hazard. It is essential that the young crop be afforded complete protection from fire.

Prior to the war, regeneration had overtaken logging operations on all compact areas of good quality Jarrah forest. For the most part, more intensive work was necessary to secure a full stocking of natural regrowth, partly from seed and partly from coppice from small stumps resulting from the cutting down of malformed advance growth.

Pending results of investigations into thinning responses of second growth Jarrah, thinning of sapling stands has been on a limited scale.

The afforestation programme provides for an annual planting of 1,000 acres, principally with *Pinus pinaster*. The total planted area is 12,892 acres of both *Pinus pinaster* and *Pinus radiata*, ranging in age to 33 years. Thinnings from these plantations are finding a ready market.

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CHAPTERS II and III.

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## CHAPTER IV.—MANPOWER.

### A. *Use of Forest Service Personnel.*

During the war years, all remaining forest personnel were regularly engaged in keeping the operations of the Department on a maintenance basis. The main activity of the Service was the protection of the forest from fire. The value of this work was two-fold. It permitted the unhampered operations of the saw-milling industry in the production of timber for defence purposes, and at the same time protected valuable young growing stock, thus safeguarding the industry's future.

It is worthy of note here that during the period 1939-1945, fire losses did not average more than one half of 1 per cent. of the protected area.

Apart from their duties in preparation for, and during each fire season (which normally extends from November to April), the field staff controlled the cutting of the forest by tree-marking under a group selection system applicable to Western Australian hardwoods.

The third main feature of the activities of the Service was the inspection by Departmental officers of the bulk of the timber produced in the State to the various specifications required.

Those three main works involved :—

- (i) The protection from fire of 2,000,000 acres annually;
- (ii) the maintenance of 1,250 miles of tree telephone lines;
- (iii) the maintenance of 11,000 miles of roads, tracks and firelines;
- (iv) tree-marking of 290,000 acres of forest during the period 1939-1945;
- (v) inspection of over 16 million cubic feet of sawn timber over the same period.

The Department, however, in addition to losses sustained through recruitments and secondments to other phases of war activity, was called upon to make its widespread organisation available for other activities directly associated with the war effort.

Among these ventures, were the supply of firewood to hospitals, Government institutions and others, in the Metropolitan Area and to important production centres in the country, reaching to 62,000 tons per year ; the harvesting of two crops of potatoes annually (amounting to something like 5,000 tons) ; the production of nearly a million beansticks for the growth of beans for canning ; and many other works, such as the provision of assistance in falling, hauling and log line construction, direct conversion of plywood logs, production of vegetable seeds, supply of masts, knees, derricks, etc., for boat building, etc.

### B. *Labour Supply.*

As will be seen from Table V., the number of persons employed annually suffered severely, being reduced by more than 50 per cent. and in an endeavour to overcome the desperate position that was created, the Department enlisted the aid of women and schoolboys in fire control operations, such as controlled burning, fire tower watching and some actual fire suppression work. In this way, many valuable areas of forest received protection which at first had seemed impossible.

Army authorities also helped considerably in making men and vehicles available wherever possible for fire control work, and their efforts were most valuable, and thoroughly appreciated. A further source of labour supply was provided by the Civil Aliens Corps, which was formed in the year 1942 and used principally on firewood production.

At a later stage in the war, the Department supervised the work of prisoners of war in firewood production and in potato digging.

At the present time, the position is slowly but steadily recovering and already approximately a hundred ex-servicemen have been re-engaged. It is hoped that it will be soon possible for minimum staffs consistent with the safety of the forest, to be regularly employed.

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CHAPTER V.

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## CHAPTER VI.

### IMMEDIATE EFFECT OF THE WAR ON FOREST CONDITIONS.

A. Scarcity of labour has resulted in the cessation of developmental work, particularly in road survey and construction in house building, and in the expansion of pine plantations which was to have continued at about 1,000 acres per annum. The use of a Civil Alien Corps, Prisoners of War and Army personnel, have materially assisted with forest protection which has been maintained at pre-war standards. Exploitation has been affected, chiefly due to labour shortages on sawmilling permits which is reflected by the drop in output from 14,294,000 cubic feet in 1938 to 8,761,000 cubic feet in 1945, and but for the war conditions, it is probable that industries using large quantities of timber and firewood such as charcoal iron cellulose, paper pulp, masonite, would by this date, have developed.

B. Forest finance has been affected to an unknown extent. Had the war not intervened, increased cutting, higher royalties, and the new industries mentioned above, may have resulted in a greatly increased net revenue, from which three-fifths is available for reforestation. Although the gross revenues of the Department have increased from £140,000 Sterling in 1938 to £212,000 in 1945, the whole of this increase is due to increased essential service trading activities, such as firewood cutting and potato digging, on which there is insufficient revenue to meet costs and on which subsidies have to be sought. There has of course been a fall in revenue from sawmilling directly due to the reduced output of mills due to labour difficulties.

C. The immediate effect of the war on forest conditions has been comparatively slight. There has been no direct damage to forests by military operations or by alienations for war purposes and on the contrary, considerable assistance was rendered by military personnel in fire control measures.

## CHAPTER VII.

### EFFECTS OF WAR-TIME DEVELOPMENTS ON THE FUTURE TREND OF FOREST POLICY, MANAGEMENT AND WOOD UTILISATION.

A. The effect of war-time exploitation on forest capital and future increment has on the whole been beneficial. A reduced cut from State Forests over the war years has resulted in a slightly greater total of timber available for cutting over the next 30 years cutting cycle and a working plan revision was made in 1945 which would not under ordinary circumstances have fallen due until 1948. This plan increased the maximum cut to approximately 30,000,000 cubic feet in the round per annum for the next 30 years.

B. (i) Working of hitherto inaccessible forests has not resulted from war-time exploitation. It has in fact been retarded.

(ii) & (iii) The marketing of low grade materials has benefited to an extent, chiefly due to the cessation of imports of low grade softwood. Jarrah and Karri have become recognised as timbers suitable for butter boxes; Marri, previously very little used, has become of some importance in case making; plantation grown pine has found a ready market even in very small sizes for case making and small turnery and has brought a higher price than would have been expected in competition with imports. Axe and tool handles have been made from local woods not previously used, on a large scale. Plywoods are being manufactured from Karri and locally grown pine.

On the whole, however, there does not seem any good prospect of these developments being permanent and indications already show that the local industries may have difficulty in surviving. Imports of axe handles have already caused concern to local makers and the continued demand for pine and Marri will depend upon the price of imported softwood.

The Plywood Industry is developing satisfactorily and is likely to be permanent, particularly as imports of Hoop Pine plywood from Queensland show signs of decreasing in volume.

(iv) Within W.A., there are no important developments in the use of wood to replace other materials.

C. None of these developments have been of sufficient magnitude to effect silvicultural practice.

## CHAPTER VIII.

### LESSONS TO BE LEARNT FROM WAR-TIME EXPERIENCE AND THEIR APPLICATION TO FUTURE POLICY.

A. *Role of Forestry and the Forest Service in War Time.*

The threat of air raids on the inflammable Eucalypt forests of Western Australia has indicated the need for an adequate staff of foresters and men for fire protection and for an effective firebreak system during war time. Fires lit by systematic bombing of these forests would have been very difficult to extinguish and may have caused loss of Forest Settlements and townships adjacent to forest areas, besides causing damage and some destruction of existing natural hardwood forests.

The Forest Services, with their knowledge of routes of access and water supplies through the forests, would play an important part in guiding parties being evacuated from more closely settled areas. Most members of the Forest Service joined up as members of the V.D.C. to form valuable units of the Home Defence Forces.

*B. Role of Trade Organisations in War Time.*

Close co-operation existed between Timber Merchants and Sawmillers' Associations and the State and Commonwealth Governments in dealing with the demand for timber for Defence and essential services and for the supply of tools, plant and equipment required by the sawmilling industry. Committees were set up to allocate orders placed through Timber Control by the Defence Forces and to make recommendations on manpower problems.

*C. Necessity for Adequate Reserves of Forest Produce for—*

(i) *Post-War Period.*—Production of sawn hardwood timber in Western Australia is in excess of home requirements, and, because of the limited import of softwoods into Australia for various reasons such as dollar exchange, demand throughout the World, and scarcity of shipping, this State has been called upon to meet demands from other States and the Commonwealth Government, particularly for building scantlings required by South Australia and Victoria.

This State has always supplied the majority of sleepers required by the Commonwealth and South Australian Railways and of the crossarms needed by the Postmaster General's Department in South Australia and Victoria.

Sawmillers are experiencing difficulty at the present time in supplying special length building scantlings for the Commonwealth Housing Scheme as well as all the industrial and essential needs. The Trade has always relied on a considerable overseas export trade, but the demands for timber from the other States, which have to substantially met before any export licenses are granted by the Commonwealth Government, has resulted in the export trade being considerably reduced. Manpower and material shortages are two factors which are playing an important part in preventing the sawmillers from meeting all the demands. It is interesting to note that, even after twelve months since the cessation of hostilities, sawn timber production is only two-thirds of the normal output.

(ii) *Normal Times.*—In normal times, Western Australia has adequate supplies of hardwood timber for all requirements. The relative per capita consumption of hardwoods to softwoods has always been considerably higher in Western Australia than in the other States. The small areas of coniferous plantations already established are not yet sufficiently developed to provide for the softwood demands.

(iii) *A Future Emergency.*—The main need will be for softwoods to provide for some packing cases and some joinery and the other uses in which softwood is more suitable than hardwood. The demand during the war was in part met by the utilisation of hedgerow and ornamental trees, from which a rough merchantable quality sawn timber was produced. High-grade softwoods for boat building, pattern making, and special joinery jobs, were supplied from Overseas imports arranged by the Commonwealth Controller of Timber.

*D. Measures to Remedy any Deficiencies Revealed, e.g. Afforestation and Improved Forest Management or Marketing.*

A regular pine planting programme of 1,000 acres per annum is considered essential to remedy the deficiencies of softwoods. Development of areas not yet under fire control by the establishment of roads of access, firelines, lookout towers and forest settlements, is necessary, but work along these lines is being hampered by lack of funds.

With the cessation of hostilities, there was a tremendous increase in the demand for timber required for the Housing Scheme and for essential industry, which could not be fully met.

The lessons to be learnt from the War, are that in times of emergency or when imports are not available, people have to go short and, in some cases, go without timber.

*E. Reconstruction and Rehabilitation Programme in Relation to Forestry.*

No reconstruction or rehabilitation programme is needed because there was no war damage. There are, however, considerable arrears of essential maintenance caused by shortage of manpower during the war to carry out, that is, works on roads, firelines, telephone lines, buildings, all of which need urgent attention.

Silvicultural work, apart from the regeneration operations performed in the course of ordinary trade cutting, was suspended during the war, as was tending of the forests, including pruning and thinnings.

The outstanding sectional shortage in manpower suffered by the timber industry as a result of the War, is that of tree fallers on account of the enlistment in the Services of the younger men, who would normally be recruited for this work. Steps are being taken, in co-operation with the Department of Post-War Reconstruction to establish a fallers' school under the aegis of the Forests Department.

F. *Adequacy of Research and Education Organisations.*

The Commonwealth Forestry and Timber Bureau provides for education as well as silvicultural research of a fundamental nature. This arrangement is highly satisfactory to the State of Western Australia, which co-operates both by carrying out research into current problems affecting its own forests and by provision of facilities for the housing of a Commonwealth Research Station. The Council for Scientific and Industrial Research has established a laboratory at Melbourne for the Division of Forest Products, which undertakes the work of research into utilisation and trade problems. Owing to the isolation of Western Australia from the rest of Australia, it is necessary for this Department to maintain its own Utilisation Section to advise the local timber industry.

G. *No comments.*