1948

WESTERN AUSTRALIA

# REPORT

on the operations of

# THE FORESTS DEPARTMENT

for the

YEAR ENDED 30th JUNE, 1948

by

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PERTH:

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# Annual Report on the Operations of the Forests Department for the Year ended 30th June, 1948

#### INTRODUCTION.

An historical review covering the 50 years since the publication of the first Annual Report of the Forests Department was included in the Annual Report for 1946-47.

During the year ended 30th June, 1948, the timber industry has shown a slight but important increase in output and exceeded a production of 10 million cubic feet for the first time since 1942. This is still, however, somewhat less than three-quarters of the output in the pre-war year 1938. Shortage of manpower has been the limiting factor, though material shortages have hampered the erection of new mills. Important contributions towards the needs of South Australia and Victoria were continued and a small token export was sent overseas, largely in an endeavour to maintain important markets for our high quality timbers, jarrah and karri. A lessening of the shortage within the State was apparent.

Production of sawn timber for the year under review amounted to approximately 10,500,000 cubic feet, valued at £2,500,000. In 1938 the corresponding volume was 14,300,000 cubic feet.

Sandalwood production, owing to the chaotic conditions of trade in China, showed a serious falling off, the supply of 460 tons being less than one-third of the quantity delivered in the preceding year.

Firewood supplies for the metropolitan area for industrial and domestic use were mostly met by private property operators and by permit holders working on State Forest and Crown lands.

With increased quantities becoming available from private contractors, the Department was able gradually to discontinue the supply of firewood to the metropolitan woodyards, and all deliveries to these yards ceased in January, 1948. The Forests Department, as an emergency measure, has been supplying consumers in Perth and Fremantle since 1942.

Nevertheless, the Department still supplied firewood to a quantity of 30,000 tons from old reserve stocks and new cutting. Production by cutters in direct employment is now confined almost entirely to the supply required by No. 1 and No. 2 Goldfields Water Supply Pumping Stations at Mundaring Weir. A camp of Balts is to be established to meet the serious shortage which has arisen at these stations.

Revenue for the year under review was £300,199 gross, as compared with £302,789 for the previous year, but the Reforestation Fund, depending upon three-fifths of the net revenue, is insufficient for maintenance work.

The Forests Department still faces two major problems, which can be met only by financial assistance, over a planned period, substantially above the normal income derived from revenue. These problems are, firstly, the extension of fire control and management over large areas of unprotected forest where annual losses of timber occur, and, secondly, the rapid extension of pine planting to ensure continuity of softwood supplies. The planting of pines has been virtually at a standstill for seven years, and the total area of only 13,000 acres needs to be rapidly expanded if adequate measures are to be taken to provide satisfactory supplies of timber within the State for the future.

During the year under review the fire fighting organisation proved capable of handling the situation in the area under protection. In spite of a very dry year and a particularly difficult autumn, only 0.1 per cent. of the protected forest was burnt over.

One new tower was manned in the southern divisions and proved of considerable value; another is in course of erection. The use of two-way radio was extended to the southern divisions and more complete cover given in the northern areas. Radio has proved everywhere successful. The saving in time and manpower in fire attack by having continuous communication between fire gangs and control centres represents the greatest advance in fire control since the advent of the power pumper.

Although some additional plant was secured during the year and it is expected that the position will improve with the hire of additional bulldozers in the coming year, the arrears of fireline and track maintenance are so great that little developmental work has been possible. Valuable additions to the fleet of fire-fighting trucks were made during the year by securing a number of ex-Army transports from the Commonwealth Disposals Commission.

The coastal belt of country stretching from Perth to the Moore River has been, for some time, the subject of investigation as a possible large-scale pine planting project. This sandy coastal region comprises a great area of country, the major portion of which is valueless for any agricultural purpose at present. In order to determine its suitability for the growth of pine, the Department has already made a commencement with a soil survey. From the aerial photographs covering the region vegetational and soil type plans are to be prepared.

Some three years ago five one-acre plots were established in the Lake Pinjar region. These are all doing well and results are most encouraging.

With the establishment of a small tree nursery at Kalgoorlie it has been possible to raise many of our inland species which could not be grown at the Hamel Nursery under the high rainfall there. Residents in the drier agricultural areas had been unable in the past to obtain many of the local species of trees most suitable for their climatic conditions, to fill such requirements as shelter belts, woodlots, ornamental purposes, and for planting in or near saline land. Considerable interest has been shown by private persons and local governing bodies in the trees available for distribution and the demand this year showed a very great increase.

Included as an appendix is a brief report on the administration of the Timber Industry Regulation Act. During the year 360 inspections of timber holdings were made. 668 notifiable accidents were investigated, one of which was fatal. The average period of incapacity was 21.2 days per person injured.

There were approximately 3,395 persons employed on timber holdings. Sawmills registered totalled 209, of which 128 operated on private property.

#### THE FOREST AREA.

#### (1).—State Forest (Forests Act, 1918).

With excisions from and additions to State Forest totalling 24 acres and 1,810 acres respectively the area of State Forest as at the 30th June, 1948, became 3,399,799 acres, an increase of 1,786 acres as compared with the area as at 30th June, 1947.

#### (2).—Timber Reserves (Forests Act, 1918).

No alterations occurred during the year, the total area of timber reserves remaining at 1,789,133 acres.

#### REVENUE.

The gross revenue of the Department for the year ended 30th June, 1948, was £300,199 as compared with £302,789 for the previous year.

Royalties on forest produce and rents totalled £155,501, an increase of £12,745 on last year's figure of £142,756. Revenue from sandalwood declined from £93,686 to £86,863. Inspection fees and sales of pine timber showed increases of £122 and £1,209 respectively. Receipts in respect of firewood supplied to metropolitan woodyards, Government Departments and Institutions, Water Supply Pumping Stations etc., totalled £37,461.

#### REBATES OF INSPECTION FEES.

The rebate of 25 per cent. on inspection fees on all sawn timber, including sleepers for export, amounted to £968 7s. 6d. This rebate has been discontinued, and will not be allowed on any timber inspected after 30th June, 1948.

#### SAWMILLING AND HEWING.

The production of sawn timber during the year increased to approximately 10.5 million cubic feet (approximately 10 million cubic feet in 1946-47). From a log intake during the year of 31,123,244 cubic feet the recovery in sawn and hewn timber was 10,459,323 cubic feet. Shortage of labour, particularly fallers, remained the chief factor in preventing a return to normal conditions in the industry, and a lack of materials has delayed the building of several new sawnills. The loss by fire of Jardee mill on the 30th April, 1948, was a further serious blow to sawn timber production.

7,799 cubic feet of hewn timber were produced, as compared with 8,277 cubic feet for the previous year.

Of a total quantity of 388,913 cubic feet of pine timber produced within the State 206,758 cubic feet came from Departmental plantations. Although it is still principally used for case making, the value of sawn marri (redgum) is being recognised and the production figure for the year was 348,655 cubic feet in the round as compared with 198,267 cubic feet last year.

Two firms are now engaged in veneer and plywood manufacture, and the total intake of peeler logs was 184,864 cubic feet. The principal species used were karri (177,892 cubic feet), pine (5,354 cubic feet) and jarrah (1,339 cubic feet).

The average number of men employed in the saw-milling industry each month for the year ended 31st December, 1947, was 3,395 against an average of 3,110 for the year ended 31st December, 1946.

#### TIMBER PRODUCTION.

Production of Timber for Year ended 30th June, 1948 (exclusive of Mining Timber, Firewood, Piles and Poles).

		1	MILL LOGS.		HEWN '	TIMBER.	GRAND TOTALS.			
				Тот	AL.	Jarrah in	Jarrah in			
	Jarrah.	Karri.	Other.	In Log.	Recovery of Sawn Timber.	Log.	Square.	In Log.	In Square.	
Crown	(1) Cub. ft.	(2) Cub. ft.	(3) Cub. ft.	(4) Cub. ft.	(5) Cub. ft.	(6) Cub. ft.	(7) Cub. ft.	(8) Cub. ft.	(9) Cub. ft.	
Lands Private	17,025,023	4,469,703	745,309	22,240,035	7,426,436	11,310	2,262	22,251,345	7,428,698	
Property	6,713,519	879,832	1,250,863	8,844,214	3,025,088	27,685	5,537	8,871,899	3,030,625	
Grand Totals	23,738,542	5,349,535	*1,996,172	31,084,249	10,451,524	38,995	7,799	31,123,244	10,459,323	

Figures in columns 1, 2, 3, 4, 6, and 8 are in the round based on full volume measure.

Figures in columns 5, 7, and 9 are the volumes of sawn or hewn timber measured in the square.

The quantity of sawn and hewn timber produced from Crown lands and private property for the past two years is set out in the following table:—

	From Crown Lands.			From	Private Prop		Estimated		
Year.	Sawn Timber other than sleepers.		Hewn sleepers.	Sawn Timber other than sleepers.	Sawn sleepers.	Hewn sleepers.	Total Quantity.	value of Timber obtained.	
	Cub. ft.	Cub. ft.	Cub. ft.	Cub. ft.	Cub. ft.	Cub. ft.	Cub. ft.	£	
1946-47	5,826,972	1,470,690	2,942*	2,224,187	433,856	5,335	9,963,982	2,067,000	
1947–48	5,995,413	1,431,023	2,262	2,510,894	514,194	5,537	10,459,323	2,505,000	

<sup>\*</sup> Includes 565 cub. ft. other hewn timber.

#### TIMBER INSPECTION.

Sawn and hewn sleepers inspected during the year amounted to 1,726,992 cubic feet, while sawn timber other than sleepers submitted for inspection totalled 164,840 cubic feet. The number of piles and poles inspected was 1,297, amounting to 41,837 lineal feet.

### FIREWOOD PRODUCTION.

The estimated total consumption of firewood for the year was 715,000 tons, made up as follows:—

1 to 1				tons.
Metropolitan Area		• •	••	243,000
Goldfields Area	• •	• •	• •	234,000
Goldfields Water	Supply	Pun	aping	
Stations	• •	• •	• •	48,000
Mill Waste and fo	r fuel at	bush	saw-	
mills	••			127,000
Country Centres (	estimate)	• •	•••	63,000
,				715,000
	,			

The principal sources of supply from lands were:—	Crown tons.
Goldfields Licenses and Permits	257,681
Mill Waste ex bush sawmills	184,685
Firewood Permits (South-West)	89,132
Mill Waste ex sleeper and case mills	4,459
Miscellaneous Licenses etc	321
Supplied by Forests Department:-	
(a) By piece work cutters for Nos. 1	
and 2 G.W.S. Pumping	
Stations	12,703
(b) By direct conversion or ex	
existing stocks (Alien,	•
P.O.W., etc.)	16,928

With increased supplies available from private contractors the Department was able gradually to discontinue the supply of firewood to metropolitan woodyards. Deliveries to these yards ceased in January, 1948. Mental hospitals, schools and other government institutions have continued to obtain their supplies from the Department from old stocks.

Although every effort consistent with transport facilities has been made to build up reserve stacks at Nos. 1 and 2 G.W.S. Pumping Stations, the position was not entirely satisfactory as at the 30th June, 1948. With Balt migrants being made avail-

<sup>\*</sup> Comprises—841,542 cubic feet Wandoo; 388,913 cubic feet Pine; 348,655 cubic feet Marri; 294,514 cubic feet Blackbutt; 68,098 cubic feet Sheoak; 21,363 cubic feet Morrell; 20,691 cubic feet Tuart; 5,134 cubic feet Yate; 4,469 cubic feet River Banksia; 2,793 cubic feet Bullich.

able as firewood cutters it is anticipated that the position will be relieved before next summer, when the maximum quantities of firewood are required at the pumps. Practically the whole of the firewood cut by alien and P.O.W. labour in the Jarrahdale and Huntly Districts has been disposed of, and, of the estimated total stock of 4,067 tons held by the Department, approximately 2,622 tons are at Marrinup.

Supplies of firewood have been maintained to the Donnybrook Dehydration Plant and to the Pingelly Pumping Station as required.

The quantity of firewood supplied by the Department during the year was made up as follows:—

	tons.
For domestic use (metropolitan wood-	
yards)	5,654
Hospitals and Institutions	1,803
Government Departments (including	
G.W.S. Pumps)	7,805
Industrial concerns	1,666
Piecework firewood cutters for Nos.	
1 and 2 G.S.W. Pumps	12,703
	29,631

A comparison with the total of 46,157 tons supplied by the Department during the year ended the 30th June, 1947, indicates that increased supplies are being delivered by private contractors, particularly to metropolitan woodyards for domestic use.

On the Goldfields the estimated production of firewood was 263,548 tons, details being as follows:—

ows:—	tons.
Mining firewood	205,717
Supplies to G.W.S. Pumps (Nos. 3 to	
8)	29,750
Supplies to W.A.G.R. Pumps etc	903
Domestic use, institutions and other	
industrial concerns	27,178
	263 548

#### SANDALWOOD.

Owing to the chaotic conditions overseas, sales of export sandalwood were limited and only 152 tons were exported during the year.

tons were exported during the year.

Orders were placed for 114 tons of sandalwood for export and 285 tons for oil distillation purposes within the State. The latter figure comprised 85 tons of logwood, 70 tons of old roots and stumps, and 130 tons of second grade sandalwood (small dead trees, etc., uncleaned). The second grade wood was treated experimentally to test the possibility of utilising this class of material for oil distillation purposes.

The quantity of sandalwood delivered under orders is set out in the following statement:—

		Oil Dis- tillation	Export
		tons.	tons.
From Crown Lands			
Logwood		113	142
Second Grade		137	_
Roots and Butts (sa-	wn		
from export wood)		46	
Old Roots and Stumps		13	_
From Private Property	٠.	_	9
		309	151

The quantity of sandalwood oil produced by local distillers during the year was 11,914 lb. and 18,563 lb. were exported.

# OTHER FOREST PRODUCE.

Five hundred and twenty thousand one hundred and sixty two lineal feet of piles and poles were cut during the year. The production of mallet bark for tanning purposes was 1,120 tons, and wandoo logs used in the production of tannin extract amounted to 65,587 tons.

Six thousand mallet firing sticks, 542 pieces of mallet lagging, and 86 tons of wandoo logs for use as mining timber were supplied by the Department to the Big Bell Mines from the Narrogin Division.

FOREST PRODUCE NOT ELSEWHERE INCLUDED IN PRODUCTION TABLES, OBTAINED DURING YEAR ENDED 30TH JUNE, 1948.

Description of Forest Produce.	South-West Division and Agricultural Areas.	Northern Central and Eastern Goldfields.	Total.
	ons 14,429	15,276	29,705 Tons
	ıb. ft	33,283	33,283 Cub. ft.
	ons 109,678	57,831	167,509 Tons
	ons 57,850		57,850 Tons
	ons	205,717	205,717 Tons
	ons 126,835		126,835 Tons
	ons 204	336	540 Tons
	ons 68		68 Tons
Piles and Poles* L			520,162 Lin. ft.
Fencing Posts and Rails N		12,367	94,906 No.
Mallet Bark*	ons 1,120		1,120 Tons
Wandoo Timber for Tannin extract* To	ons 65,587		65,587 Tons
Boronia megastigma* Ll	os 693		693 Lbs.
$egin{array}{llllllllllllllllllllllllllllllllllll$	o	200	200 No.
Stone Co	ib. Yds 2,624		2,624 Cub. Yd
	ib. Yds 1,120		1,120 Cub. Yd

\* From Crown Lands and Private Property.

Note.—Except where otherwise stated, this statement includes only forest produce obtained from Crown Lands under permit or license.

In six cases proceedings were taken against the offenders, convictions recorded and fines, costs and damages amounting to £82 imposed.

Warnings were issued in 30 cases and the remainder were dealt with by the collection of royalty, forfeiture of deposits, or confiscation and sale of the timber illegally cut. The amount received by the Department in this way totalled £263.

#### EXPENDITURE.

Expenditure totalling £35,073 was charged against the Consolidated Revenue Fund to cover the cost of general administration of the Forests Act and Regulations. In addition, £1,512 was expended in respect of the Timber Industry Regulation Act.

Firewood production and other direct conversion projects involved an expenditure of £34,513, whilst the cost of conversion of pine timber amounted to £6,174.

An average number of 294 wages employees was engaged during the year in the various activities of the Department. The shortage of manpower was still felt in the timber industry and the Department continued its assistance by providing labour for falling, etc.

Details of expenditure from the Forests Improvement and Reforestation Fund are set out in Appendix 1B.

The following statements show the transactions on the Fund during the year and details of the apportionment of the net revenue of the Department:

### Forests Improvement and Reforestation Fund.

Balance at 1st July, 1947:	£	s.	đ.	£	s.	d.
General Account	53,556 4,146		0 1	57,702	10	1
			,	01,102	10	-
Three-fifths net revenue transferred Direct Credits (Cottage rents, etc.)				129,755 4,417		
Expenditure Recoups :						
Federal Aid Roads Grant Assistance to Sawmills Pine Conversion Costs Running costs of Motor Vehicles used	13,809 5,413 6,173	8	11			
on Firewood Production Credits re petrol drums returned Various	2,872 1,333 1,213	1	1 7 3			
				30,816	. 0	5
Transfer to Motor Vehicle Depreciation						
Account				2,000	0	0
				£224,691	6	4
Less Expenditure—						
Reforestation and Afforestation Other expenditure, recouped as above Purchase of Motor Vehicles from						
Depreciation Account	2,462	10	0	185,317	3	3
Balance at 30th June, 1948—						
General Account Motor Vehicle Depreciation Account	35,690 3,683					
motor ventue Depreciation Account	0,000			39,374	3	1

#### Appointment of Net Revenue of the Department.

	£	s.	d.	£	s.	d.
Gross Revenue for year 1947-1948 Less Revenue from Firewood, etc				300,199 39.098		11 4
				£261,101	9	7
Consolidated Revenue Fund Expenditure	77,271 34,512	19 15	11 9			
Less Timber Industry Regns.—	42,759	4	2			
Salaries and Incidentals	1,511	18	4		-	
Salary of Conservator Audit Fee	41,247 1,266 100		10		19	2
Net Revenue	••••			£218,487	10	5
Three-fifths Net Revenue Less amount over-credited in 1946-				131,092	10	3
1947				1,337	5	9
Amount transferred to credit of Reforesta- tion Fund, 1947-48 Net credit to Consolidated Revenue Fund,				129,755	4	6
1947–48	••••			88,732	5	-11
	1			£218,487	10	5

#### SILVICULTURE AND MANAGEMENT.

The Department has remained essentially on a maintenance basis. The essential features of the work have continued to be the control of trade cutting to ensure satisfactory regeneration and proper stocking of the forest, and protection of the forest from fire. Stock-taking and growth assessments, while continuing, are in arrears.

Pine planting has been virtually suspended for seven years, only 181 acres being planted during the year. The lack of maintenance in pruning will have a serious effect on the quality in the stands already planted.

Investigation is being carried out on an experimental basis into the possibility of utilising considerable areas of non-agricultural land along the coastal belt north from Lake Pinjar to the Moore River as an extensive plantation of Pinus pinaster. Sample plots have already been established near Lake Pinjar and preparations made for additional plots near Moore River. Further work was done on the soil survey of 45,000 acres of country South-West of Mt. Barker.

An additional 280 acres made up of small additions to a number of plantations were sown with mallet. The sale of young mallet for goldmining rendered it possible to make a commencement with a small scale thinning of some of the stands which had reached the stage of economic thinning and bark stripping.

Eight new houses were constructed during the

Over the last seven years road and track, as well as fire line, construction gradually fell into arrears, but during the year under review a beginning was made to overtake this deficit. Many of the old roads were too narrow and had too many sharp angles to accommodate heavy duty fire equipment. The widening and straightening of these tracks by hand labour is a very costly undertaking and requires power equipment for most efficient work. Gradually, as heavy earth-moving equipment becomes available, the Department is making progress with this work and in the opening up of more roads of access which are so vital to efficient management and fire control.

#### FIRE CONTROL.

The season was chiefly remarkable for the lengthy dry spell over the late spring, summer and autumn, the summer months being particularly dry. Dwellingup registered only 19 points between 23rd December and 28th March, and Manjimup only 33 points between 1st January and 24th March.

In many districts there was very little rain after September or October.

There was a very lush grass growth and this probably accounted in some measure for the large number of fires lit by W.A.G.R. locos.; 60 this year as against 30 last year.

There were five days of "dangerous" hazard and the temperature at Dwellingup reached 104 deg. on February 20th. The average hazard for the year was 5.8 as against 5.5, 5.3 and 5.5 for the previous three years.

The season was generally successful. Most trouble was caused by the dry autumn following on the long dry summer.

The forest was tinder dry and controlled burning was carried on up to the 2nd June, 1948.

A total of 278 fires (252 last year) were attended by fire gangs.

Of these fires, 118 occurred in the 1,152,356 acres of closely protected zone "A" forest, causing damage to 1,237 acres or 0.11 per cent. Much of the damage was slight as, generally speaking, the fires were confined to very small areas.

In zone "B," 775,800 acres, 78 fires were attended; the remaining 82 fires caused no loss to protected forest.

The number of fires and their causes are listed below:—

W.A.G.R. loco	s.		•			60
Mill locos.					• •	47
Bush workers						6
Mill and bush		venor	9	• •	••	3
			3	• •	• •	_
Hunters and f			• • •	• •	• •	22
Travellers in	the 1	orest	• •	• •	• •	24
Stock owners	and	leaseh	olders			10
Escapes from	priv	ate p	ropert	y to S	State	
Forest		• •				30
Firewood cut	ters					3
Lightning		• •				4
Deliberately l	it			1.		4
Escape from				••	• •	16
				• •	• •	
Mill surround			• •	• •	• •	4
Mine surroun				• •	• • • •	2
Employees of	oth	er Gov	ernme	nt der	oart-	
ments				• • •	• •	. 3
Householders						16
Children	•.•		• • •			9
Tractors					• •	1
Unknown					:	14
						-
Total						278

A comparison of this list with the fires of the previous year shows a big increase of fires lit by W.A.G.R. locos.; 60 this year as against 30 last. Hunters and fishers caused 22, against 18 last year, but travellers through the forest lit only 24 as against 36 last year.

Stock owners were responsible for ten fires, four, last year, but escapes from private property clearing into State Forest showed a decrease from 52 to 30 this year.

The new tower at Dicksons, manned for the first, time this season, proved its worth in overlooking some very bad country.

The usual schools of instruction in fire control were held for the field staff, and all gangs showed improvement in the handling of power equipment, which was considerably augmented during the year.

The bulldozer again proved invaluable, particularly in the more difficult country in the Southern Divisions.

Communication was again very good. The use of radio was extended to the Southern Divisions and the number of sets in the field considerably increased. Two-way radio-telephony is unquestionably the greatest advance in fire control in this State since the introduction of power pumpers.

This year, for the first time, the Department employed a black tracker full time during the fire season. He was stationed at Nannup and the convenience of having our own tracker always available at short notice was generally appreciated.

Demonstrations of fire fighting equipment and technique were given at Katanning and Darkan Shows, and a full-time demonstration was put on at the Royal Agricultural Show. This stand at the Royal Show, although entailing considerable work, excited great interest and was well worth while.

The heavy duty outfits at Dwellingup were responsible for saving the State Saw Mill at Holyoake from destruction by fire.

The sawmilling industry again provided willing assistance in fire fighting that was greatly appreciated, and, as always, the Police Department was most co-operative in prosecuting inquiries on our behalf.

# ARBORICULTURE.

Hamel.

As was anticipated, there was a heavy demand for trees during the season, which closed on 31st August, 1947. Sales are now back to pre-war figures and appear likely to go on increasing.

During the season under review 54,018 trees were despatched from the nursery. Of these, 51,041 were sold to country residents and local authorities, 2,711 were supplied to other departmental centres for

experimental and ornamental planting, and a few supplied free to various public and charitable institutions.

Monterey pine (Pinus radiata) headed the list of sales and was closely followed by sugar gum (Eucalyptus cladocalyx). These two trees have, for many years, headed our sales list and the demand remains remarkably constant at from eight to ten thousand of each variety per annum. They were followed by Victorian ti-tree (Leptospermum laevigatum), a plant which has attained great popularity during recent years for hedges and low breakwinds. Other trees in good demand were maritime pine (Pinus pinaster), brush box (Tristania conferta), tuart (Eucalyptus gomphocephala), carob bean (Ceratonia siliqua) and pepper tree (Schinus molle).

#### Inland Areas.

During the 1947 season, 1,864 trees, comprised of 23 species, were sent out from Kalgoorlie nursery to local governing bodies, mining companies and farmers. The most popular species was salmon gum, of which 682 were distributed.

Interest in dry area trees is showing a marked increase and in view of this a permanent nursery attendant was engaged and sowings, aimed at quadrupling the output, were made during the year. In addition autumn sowings of New South Wales callitris, various acacias from the mulga zone and species from New South Wales were made.

Residents in the drier agricultural areas have been unable in the past to obtain many of the species of trees suitable for their climatic conditions to fill such requirements as shelter belts, woodlots, ornamental trees and trees for planting in or near saline country.

Now that it is becoming known that the Department, at its Kalgoorlie nursery, has embarked on a scheme for raising these trees, there are indications of a considerable expansion in the demand for them.

In order to make known to residents in the agricultural areas the behaviour of the various species of trees, a series of arboreta throughout the wheatbelt is projected, to be established by the Department in conjunction with local governing bodies.

Mining companies throughout the Goldfields are also showing a marked interest in tree planting as a means of beautification of their mining properties. This is largely the result of the publicity given to the excellent work in this direction carried out by the mining companies at Broken Hill, who, incidentally, have found in the Western Australian eucalypts some of the most useful trees in their scheme.

#### STAFF.

The following staff changes were effected during the year:—

Mr. A. C. Shedley was appointed Senior Assistant Conservator on the 1st July, 1947.

Mr. F. Gregson, Utilisation Officer, was granted twelve months leave without pay as from the 1st January, 1948.

Mr. G. W. M. Nunn, Divisional Forest Officer, resumed duty on the 15th March, 1948, after an absence on leave without pay from the 17th May, 1946. During this period he was attached to U.N.N.R.A. in China.

Mr. B. Boettcher was appointed District Inspector under the Timber Industry Regulation Act, 1926, on the 4th February, 1948, vice Mr. A. J. McDonald, who commenced six months' accrued long service leave on the 28th March, 1948, prior to retirement.

Mr. G. H. Yewers, Clerk (Stores) transferred to Government Tender Board Office of the Government Stores Department, on the 22nd January, 1948.

Mr. S. Kikiros was granted twelve months' leave without pay from the 19th January, 1948, in order to take a course under the Commonwealth Rehabilitation Training Scheme.

Mr. J. K. Tondut, Junior Clerk, resigned on the 13th February, 1948.

Messrs. V. F. Byrne, and D. G. Blight, who had been employed as Temporary Trainee Junior Clerks, were appointed to the Permanent Staff on the 14th April, 1948.

Miss I. M. Hawkins, Senior Comptometrist, resigned on the 18th May, 1948. Miss V. P. Allen, Junior Typist, resigned on the 5th December, 1947.

Miss G. Norman, Junior Machinist, and Miss P. Flanagan, Junior Typist, transferred to the Chief Secretary's Department on the 1st December, 1947, and 4th May, 1948, respectively.

Miss B. T. Watson, who had been employed as a Temporary Junior Typist, was appointed to the Permanent Staff on the 18th January, 1948.

Foresters W. T. Moriarty and W. F. Brown and Assistant Forester F. H. Crockenberg resigned and Assistant Forester S. W. Dunn and Forest Assistant L. E. Bell retired.

Five Assistant Foresters "B" Grade were appointed.

In conclusion I desire to place on record my appreciation of the loyalty and interest in the work of the Department which have been shown by all ranks of the Forest Service.

T. N. STOATE, Conservator of Forests.

Perth, 30th September, 1948.

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# APPENDIX 1A.

# CONSOLIDATED REVENUE FUND.

Consolidated Statement of	f Revenue and Expenditure	re for the year ended 30th June, 1948.

Dr.									(	e.
				£	s.	d.		£	s.	d.
To Log Royalties			•	119,432	11	2	By Salaries	31,349	1 3	11
"Sleeper Royalties				12,805	6	3	, Incidentals	4,825 1	13	3
"Sawn Timber Royalties				3,073	17	6	" Timber Industry Regulations	410 1		8
"Miscellaneous Royalties	• • • • •	****	-4	8,315	Ĩ	9	,, Pine Conversion Costs	6,173 1		4
"Goldfields Revenue			••••	10,690	1	2	" Firewood Nos. 1 and 2 Pumps	17,016 1	12 ]	10
" Rents				1,183	19	0	,, Firewood (other) logs for milling and	17,496	2 3	11
"Sandalwood Revenue				86,862	14	10	casemaking and other conversion	•		
" Inspection Fees	•		••••	2,625	0	9	projects			
,, Miscellaneous Sales				2,875	5	9				
"Sales of Pine Timber		****	•	13,100	16	1	Total C.R.F. Expenditure	77,271	19	11
"Sales of Firewood		•		37,461	8	4	Excess of Revenue over Expenditure	222,927	10	0
" Miscellaneous Receipts		•		1,773	7	4				
			_	£300,199	9	11	1	£300,199	9	11

# APPENDIX 1B.

Consolidated Statement of Afforestation and Reforestation Expenditure for year ended 30th June, 1948.

Dr.				CR.
To Division No. 1  " Division No. 2  " Division No. 3  " Division No. 4  " Division No. 6  " Division No. 7  " Division No. 9	£ s. d.	£ s. d. 7,297 4 7 7,737 18 9 23,411 0 0 9,843 17 4 14,244 3 7 16,791 3 0 7,432 12 1 9,723 13 9	By Reforestation Fund General Account "Reforestation Fund—Motor Vehicle "Depreciation Account "Federal Aid Roads Grant	£ s. d. 152,038 12 10 2,462 10 0 13,809 13 3
,, Division No. 10 ,, Division No. 11	••••	14,008 18 3 9,486 1 0		•
Total Divisional Expend	liture	119,976 12 4		
, Training of Staff	276 11 11			
,, Research and Investiga- tion	1,435 7 3			
" Preparations of Working plans and Topo. Surveys " Salaries and Allowances	1,629 8 0 9,436 17 4			
"General Equipment and Incidentals	5,116 4 2			
"General Silviculture and Aboriculture "Motor Vehicle Deprecia-	24 16 10			
tion	$\begin{array}{cccccccccccccccccccccccccccccccccccc$			
ment ,, Purchase of Land ,, Purchase of Tractors, etc.	6,508 4 5 1,257 15 0 15,845 12 4			
" Pay Roll Tax Unallocated " Cash Orders Unallocated " Purchase of Motor Vehicles (from Depreciation	749 11 5 884 12 7	a control of the cont		
Fund)	2,462 10 0	48,334 3 9		·
	<del>-</del>	£168,310 16 1	·	£168,310 16 1

# APPENDIX 2A.

# WESTERN AUSTRALIA.

\*Exports of Timber, Tanning Substances and Essential Oils during the year ended 30th June, 1948.

Item and Country of Destination.	Quantity.	Value.	Item and Country of Destination.	Quantity.	Value.
TIMBER.	Cub. ft.	£	Timber, Cut to Size for making Boxes—	Cub. ft.	£
Logs Not Sawn—Jarrah. Belgium	398	148	Commonwealth States:		
Logs Not Sawn—Karri			Cub. ft. £ N.S.W 3,119 943		
Ceylon	1,626	618	Vic 1,395 552 S.A 240 50		
Railway Sleepers—Hewn or Sawn. Commonwealth States—			210 50	4,754	1,54
Cub. ft. £					
Victoria 15,330 3,134 Sth. Australia 461,938 100,650	477,268	103,784			
United Kingdom	61,598	29,956	Timber, Tongued or Grooved:		
Ceylon	225,451 174,370	109,366 96,254	Weatherboards— Commonwealth States:		
Union of South Africa	72,719	37,352	S.A	7,204	1,66
	1,011,406	376,712			4.
Palings—			Timber, Bent or Cut into Shape, Dressed		
Commonwealth States			or Partly Dressed—		
Victoria 200 4	No.		Commonwealth States:		
Sth. Australia 625 9	825	13	N.S.W 6 Vic 253		
					25
Sandalwood— Burma	Cwt.				
Ceylon	40 181	520 2,340			
Hong Kong	994 300	11,428 3,790	Timber, Dressed or Moulded, N.E.I		
Singapore	1,431	17,493	Commonwealth States:		
	2,946	35,571	S.A	1,790	49
Induspood N. F. I. Dames Proults Triets			Total Timber Exports		1,134,64
Indressed, N.E.I.—Beams, Baulks, Joists and Other Sawn Timber N.E.I. (except Boards and Planks less than 2 in. in					
Boards and Planks less than 2 in. in thickness)—Hardwood— Commonwealth States:			·		
Cnb. ft. €	Cub. ft.		WOOD MANUFACTURES.		
New South Wales 37 10			Incubators, Foster Mothers and Brooders—	Mo	
South Austrana 927,585 179,031			Ceylon	No. 2	
Nth. Territory 750 263	1,323,279	272,157			
United Kingdom Ceylon	630,701 44,774	258,310 20,437			
Christmas Island	44,774 233 22,930	75 6,922			
Union of South Africa	267,332 17,685	96,325 9,012	Articles of Wood (Except Furniture),		
Netherlands	17,116	8,275	N.E.I.—		
	2,324,050	671,513	Commonwealth States: £ N.S.W 106		
			Vic 1,930 S.A 716		
Undressed, N.E.I.—Boards and Planks, Sawn, less than 2 in. in thickness—Hard-			Tasmania 36 Northern Territory 443		
wood— Commonwealth States:	}		Truited Winedow		3,23 6
cub. ft. £ N.S.W 422 106			Borneo, British		32
Vic 76,398 15,243			Kanza		1
S.A 155,848 27,054	232,668	42,403	Malaya, British Mauritius	,	2
Ceylon	509	213	Singapore		2
	233,177	42,616			3,69
Plywood, Veneered or Otherwise—					
Commonwealth States: Sq. ft. £	Sq. ft.		Furniture—		
N.S.W 2,160 47 S.A 4,500 161			Commonwealth States: £		
2,000 101	6,660	208	N.S.W 490		
Pistama Franco Maridinas Analis	1		Vic 808 S.A 17 Northern Territory 299		
Picture Frame Mouldings, Architraves, Skirtings and Room Mouldings—	T : C:		Northern Territory 322		1,63
Commonwealth States: S.A	Lin. ft. 37,425	544	United Kingdom New Guinea		22
			Burma Christmas Island		1 14
ckets, Dressed and Undressed— Commonwealth States:	No.		Hong Kong		27
COMMINION TOWNS AND AUGO .	320	4	Singapore		52
S.A			Egypt		
S.A stars or Partly					
S.A Staves, Undressed, Dressed or Partly Dressed— No. £ Commonwealth States:					<u> </u>
S.A Staves, Undressed, Dressed or Partly Dressed— No. £			Total Wood Manufactures Total Timber and Wood Manu-		2,87 6,57

<sup>\*</sup> Exports to Commonwealth States are of Western Australian origin and Oversea Exports are of Australian origin.

#### Appendix 2A-continued.

# WESTERN AUSTRALIA.

\*Exports of Timber, Tanning Substances and Essential Oils during the year ended 30th June, 1948—continued.

Item and Country of Destination.	Quantity.	Value.	Item and Country of Destination.	Quantity.	Value.
Tanning Bark-	Cwt.	£	Sandalwood— Commonwealth States:		£
Commonwealth States:	13,335	9,556	lb. £ N.S.W 1,773 2,215 Vic 475 618		
Commonwealth States : Cwt.	29,329 1,197 1,049 4,799 20,773 11,920 1,989 1,055 4,615 6,019	46,319 2,089 3,652 9,142 41,294 22,704 6,675 2,645 11,760 13,674	United Kingdom Canada Hong Kong India Malaya, British New Zealand Singapore Union of South Africa Argentine Republic Brazil Cuba France Netherlands Philippine Republic Siam  Essential Oils — Other— Commonwealth States:  N.S.W. 24,639 22,410 Vic. 28,316 28,887 Queensland 198 249	2,248 4,480 1,848 3,365 448 84 74 1,556 56 231 2,800 672 674 50 20,136	2,833 9,520 3,927 7,081 980 183 59 3,200 1919 192 252 6,130 1,428 1,428 1,374 104
	82,745	159,954	S.A 2,303 2,503	55,456	54,049
ESSENTIAL OILS.			United Kingdom Burma Kenya Uganda Hong Kong Malaya, British New Zealand	8,233 181 123 20 112 20 68	767 183 106 8 126 36
Eucalyptus— Commonwealth States: Vic	lb.  80 23 892 9,451 12 212	57 7 377 1,873 3 56	Singapore Union of South Africa Egypt France Philippine Republic U.S.A.	7,516 3,548 1,999 1,600 258 1,600	1,482 1,906 1,106 3,500 391 3,400
	10,670	2,373	Total Essential Oils		116,465
Patchouli— United Kingdom	lb. 1,546	6,473	Total Value of Exports shown on this Return		1,427,191

<sup>\*</sup> Exports to Commonwealth States are of Western Australian origin and Oversea Exports are of Australian origin.

# APPENDIX 2B.

# WESTERN AUSTRALIA.

Imports of Timber, Tanning Substances and Essential Oils during the year ended 30th June, 1948.

Item and Country of Origin.	Quantity.	Value.	Item and Country of Origin.	Quantity.	Value.
Wicker, Bamboo and Cane, and all Manu-		£	Timber Bent or Cut into Shape—Broom Sticks—		
factures of, N.E.I			Commonwealth States:		20.7
Commonwealth States: £ N.S.W 217 Vic 56			N.S.W		637
Queensland 359 S.A 21					
United Kingdom		653 34 1,124	Laths for Blinds and Laths, N.E.I.—  Commonwealth States:		
Borneo, British Hong Kong India		1,193	Vic		250
Malaya Singapore		5,330 521	•		
Netherlands Indies		9,426	Picture Frame Mouldings—	_	
		5,420	Commonwealth States: £ N.S.W 1,726		
			Vic 134		1,860
TIMBER.				-	
Logs not Sawn (including Merely Hewn or Squared with the axe)—Softwood and		f			
Hardwood-	Cub. ft.		Architraves, Skirtings and Room Mouldings—		
Commonwealth States: Queensland Borneo, British	5,202 20,470	1,125 3,537	Commonwealth States: £ N.S.W 442		
Dorneo, Ditten	25,672	4,662	Vic 719		1,161
					<del></del>
Undressed, N.E.I.—			Timber, Cut to Size for Making Boxes-		
Commonwealth States: Cub. ft. £ N.S.W 1,986 1,808			Commonwealth States: Cub. ft. Vic 11,437	Cub. ft. 11,437	9,641
N.S.W 1,986 1,808 Vic 2,614 1,465			Sweden	1,476 290	903 230
Oueensland 37.313 16.148				13,203	10,774
S.A 6,697 7,095 Tasmania 23,237 6,747	71,847	33,263			
Canada Sweden	24,945 3,093	25,891 1,424			
Switzerland U.S.A	16,864	8,222	Timber, Tongued or Grooved, Weather boards—		
	116,750	68,819	Sweden	2,928	1,469
Dunnage and Timber, Undressed, N.E.I.—			Timber Bent or Cut into Shape, Dressed,		
Kenya India		7 7	Partly Dressed, N.E.I.—  Commonwealth States: £		
U.S.A		50	N.S.W 355 Vic 203		
		64	-		558
<b>W</b> anage					
Veneers— Commonwealth States:	Sq. ft.		Timber, Dressed or Moulded, N.E.I.—		
Sq. ft. £ N.S.W 303.957 5.781	-		Commonwealth States: N.S.W	22	15
Vic 72,255 407 Queensland 192,938 1,422	569,150	7,610	Total Timber		160,197
United Kingdom Finland	24,992 21,535	253 490			
	615,677	8,353	WOOD MANUFACTURES.		
			Casks and Vats—		
Plywood, Veneered or Otherwise—			Commonwealth States:	No.	
Commonwealth States: Sq. ft. £			N.S.W 824 2,899 Vic 740 3,598~ Queensland 318 1,573		
N.S.W 90,146 4,544 Vic 316,246 8,081			S.A 3,087 15,566	4,969	23,636
Queensland 2,305,203 47,877 S.A 37,189 1,073	0.740.701	61 555	*Commonwealth of Australia	380	1,328
	2,748,784	61,575	]	5,349	24,964

<sup>\*</sup>Produce of Australia previously exported now returned to this State.

# APPENDIX 2B.

Imports of Timber, Tanning Substances and Essential Oils during the year ended 30th June, 1948—continued.

Item and Country of Origin.	Quantity.	Value.	Item and Country of Origin.	Quantity.	Value.
Clothes Pegs—	Gross.	£	Wood Manufactures, N.E.I.—		£
			Commonwealth States: £		
Commonwealth States: Gross. £		1 1	N.S.W 11,439 Vic 30,073		
N.S.W 5,275 935 Vic 10,794 1,845			Queensland 279		
S.A 275 57		1	Tasmania 420	[ [	
Tasmania 16,375 2,955	32,719	5,792	Northern Territory 10		46,22
United Kingdom	50	35	United Kingdom		3,06
Denmark Sweden	500 5,225	69 817	Burma		27
Sweden			Hong Kong		
•	38,494	6,713	India New Zealand		19
			Fiji		1.
oors of Wood, including Fly Doors-		1 1	Singapore *Commonwealth of Australia		10
· · ·	1	1 1	Belgium		6,4
Commonwealth States: No. £		1	China Japan		
N.S.W 209 421			Sweden		1
Vic 6 11	No.		Switzerland		9
Queensland 4,883 7,668 S.A 96 321		[	U.S.A		
,	5,194	8,421			56,3
			Total Wood Manufactures		175,8
cubators, Foster Mothers and Brooders—			Total Wicker, Timber and Wood Manufactures		345,5
Commonwealth States: No. £	1				
N.S.W 50 1,843					
Vic 3 128 S.A 10 216		'	Tanning Bark— Union of South Africa	Cwt. 1,480	1,3
5.21	- 63	2,187	Union of South Africa	1,100	1,00
<b>.</b>			Tanning Extracts—		
ool Handles-			Commonwealth States:		
Commonwealth States: £	ļ	1 1	N.S.W 53 93		
N.S.W 7,539 Vic 1,247	ĺ		Vic 618 2,194	671	2,28
Queensland 27		1 1	Union of South Africa	2,372	4,3
S.A 663 Tasmania 987				3,043	6,6
Northern Territory 6	1				
United Kingdom	····	10,469 148			
Canada		25	ESSENTIAL OILS.		
U.S.A		930	Natural, Non-Spirituous-	] . ]	
•		11,572	Commonwealth States: £		
	·		N.S.W 29,434 Vic 2,747	1 1	
· · · · · · · · · · · · · · · · · · ·			S.A 1,596		60 F
urniture—	3	1 1	United Kingdom		33,7 3
Commonwealth States: £	}		Hong Kong	] ]	4
N.S.W 13,000 Vic 18,987		1	Ceylon India		1,9 2,1
Queensland 532	[	1	Seychelles		25,9
S.A 25,558 Tasmania 860		)	Leeward Islands Singapore		
		58,937	Brazil		1,5
United Kingdom Canada		3,443	China	]	
Hong Kong		15	France	[	1
India Malaya	:	25 10	Italy Netherlands		
New Zealand		88	Madagascar		16,7
Singapore		52 269	Spain Tangier	:::	
	}	20	U.S.A		12,5
*Commonwealth of Australia		36 63	New Guinea Kenya	·	9
*Commonwealth of Australia China			Kenya	ı l	
*Commonwealth of Australia China		2,467	1		
*Commonwealth of Australia China Denmark Sweden		2,467 49	:		96,7
*Commonwealth of Australia China		2,467	Total Value of Imports shown on this Return		96,7 450,2

<sup>\*</sup> Produce of Australia previously exported, now returned to this State.

APPENDIX 2C.
SUMMARY OF EXPORTS OF FOREST PRODUCE SINCE 1836.

Year.		Timk	er.	Sandal- wood.	Year		Timb	er.	Wood Manu- factures.	Sandal- wood.	Tanning Bark.	Essential Oils.	Tanning Extracts.
		Cub. ft.	Value.	Value.			Cub. ft.	Value.	Value.	Value.	Value.	Value.	Value.
			£	£			*	£	£	£	£	£	£
1836a		10,000	2,500		1891		1,273,950	89,179		37,600			
1837					1892		1,082,650 512,950 1,063,700 1,255,250	78,419		42.870			
1838					1893		512,950	33,888 74,804	••••	32,160			
1839	••••				1894		1,063,700	74,804		32,160 23,430 30,863			
1840				••••	1895 1896	••••	1,255,250	88,146 116,420		30,863 65,800			
1841					1897		1,545,600 2,393,300	192,451	••••	49,480			
1842			****		1898		4.086.150	326,195		31,812	••••		•
1843					1899		6,913,550	326,195 553,198		29,719			
1844	••••	6	163		1900	••••	4,086,150 6,913,550 5,725,400	458,461		39,038			
1845				40									
1846	••••	2,550	255	320	1901	••••	7,150,600	572,354 500,533		73,931	• ••••		
1847		12,200	1,120	4,444	1902	••••	6,256,750 7,748,450	500,583		61,771			
1848	••••	3,350	333	13,353	1903 1904	•…	7,748,400	619,705		37,913	859 32.876		
1849 1850	••••	10,500	1,048		1905		8,072,300 8,709,500 c 8,830,700	880 043	••••	25,417 38,817	32,876 154,087		
1000		10,000	1,040	**** *	1906		e 8.830.700	708 993		70 050	140,720		
1851		1.250	268	1,593	1907		c 6,409,550 c 9,869,500	654,949 689,943 708,993 511,923		65,999	98,773		
1851 1852	****	1,250 7,050	806		1908	••••	c 9,869,500	1 813.591		76,668	79,934		
1853		52,200	5,220		1909		c 10,830,450	867,419 972,698		65,999 76,668 37,456 70,775	59,633		
1854		58,500	7,023		1910	••••	c 12,074,100	972,698		70,775	93,733		
1855	••••	76,900	12,076		4013		- 10 440 500	986,341 903,396 1,089,481	•,				
1856		70,500 69,200	9,671	0.504	1911 1912	••••	c 12,449,500	986,341		65,506	83,470		
1857 1858		29,250	9,449 2,340	2,524 7,455	1913	•	c 11,297,100 c 13,619,850	1 080 481	•	27,533 47,589	49,094 47,377		
1859	•	67,250	6,051	17,259	1914d		c 6,279,750	502,153		39,800	18,197	5	
1860		54,800	4,932	16,360	1915e		c 9,968,500	808,392		78,926	6.127	381	
		,	-,		1916e	••••	5.432.100	441,991		61,381	6,127 10,208	1,102	
1861		27,750	2,497	24,945	1917e		3 890 650	310.893		72,669	18,959	2,060	
1862	•	68,800	7,151	21,541	1918e	••••	3,436,250 4,135,750 5,065,300	274,141 332,584 465,731		81,834	16,886	3,995	
1863		32,900	2,963 5,508	25,265 24,520	1919e	••••	4,135,750	332,584	11,535	117,072 240,579	18,875	3,987	
1864	••••	58,300	5,508 15,693	24,020	1920e	••••	5,065,500	400,731	21,935	240,579	22,121	3,704	
1865 1866	•	183,950 85,650	6,849	13,490 23,722 18,442	1921e		9.816.250	1 137 819	24,916	181 801	23,073	10,107	
1867		56,750	4,541	18.442	1922e		8,309,750	1,137,819 1,041,047	22,248	181,801 54,769	13.328	6.878	
1868		8,000	638	26,045	1923e		9,816,250 8,309,750 7,911,310		12,377	102,912	13,328 21,161	6,878 20,075	
1869		179,900	14,273	32,998	1924¢		11,126,861	1,367,517	11,505	348,713	29,606	39,877	
1870		157,200	17,551	48,890	1925e	••••	11,844,303	1,367,517 1,477,997 1,522,958 1,651,149	13,928	186,775	40,136	42,057	
1057		010 500	35.004	90.000	1926e   1927e	••••	12,001,384	1,522,958	10,072 8,727	238,203 199,754	15,056	47,819	
1871 1872	••••	218,500 37,000	15,304	26,926 31,536	1927e	••••	11,126,861 11,844,303 12,001,384 12,580,262 10,384,784	1,051,149	7,783	199,754	15,818 27,662	26,454	••••
1873		68,150	2,590 4,771	62,916	1929e		7,635,237	1,265,383 960, <b>43</b> 5	6,603	225,208	35.850	39,131 63,307	•
1874		345,600	24.192	70,572	1930e		6,579,743	807,425	4,687	22,228	35,850 40,628	77,510	
1875		342,350	23,965 23,743	66,465				ł .	t .		••••		
1876	••••	219,050	23,743	65,772	1931e		4,127,856	507,382 361,700	26,615	43,790	35,333	56,170	
1877	••••	336,150	36.979	31,851	1932e	•	4,127,856 3,062,673 2,235,540 4,060,830	361,700	85,488 80,332 76,107	40,546	42,016	59,301	••••
1878	••••	580,900 627,250 662,550	63,902 69,742 66,252	35,064	1933e 1934e	•	2,235,540	262,617 487,248 636,466	76 107	88,846	33,352	26,331	
1879 1880	•	669 550	66 959	35,001 51,970	1935e	,	5,326,117	838 488	65,494	75,424 66,474	20,904 15,284 12,237 14,491	26,720 35,363 27,526 38,185	••••
1000	•	002,000	00,202	31,310	1936e		5,598,180	679,522	50,665	44,916	12,234	27 526	13,657
1881		792,750	79,277	77,165	1937e		5,673,903	699.684	52,338	75,670	14,491	38.185	15 514
1882		936,500	93,650	96,050	1938e		7.545.744	932,420 722,310	52,338 47,934	22,884	13,865	35,128	53.294
1883		997,000	79,760	56.250	1939e		5,704,250 5,049,585	722,310	43,518 62,796	34,571	17,842	25,550	53,294 48,329 69,899
1884	••••	861,700	68,936	20,960	1940e		5,049,585	634,859	62,796	41,596	19,485	47,736	69,899
1885	••••	848,150	67,850	36,216	1041-		0.001.10	700.070	77.00	47.016	10,000	FC 00F	
1886	••••	626,150 354,800	90,092	27,450	1941e 1942e	••••	6,091,187	790,876 700,474	74,935 64,454	47,613 17,481	13,686	59,867	99,445
1888	•	525 750	42 060	33 525	1943e		5,224,634 3,516,566	605,327	32,426	80	6,896 1,598	70 252	146,511
1887 1888 1889		525,750 788,500	63,080	34,533 33,525 57,465	1944e		3,645,354	613,994	32,426 25,324		1,294	74,904 70,253 72,704	113,324 120,659 106,884
1890	****	1,172,200	67,850 50,092 28,384 42,060 63,080 82,052	51,355	1945e		2.851.475	570.028	27,307		2,795	103,055	106.884
			, -	,	1946e		3,373,025 3,458,628 3,584,405	722,061 865,255	f 2,616	7,584	4,872	128,050	111,614
					1947e	••••	3,458,628	865,255	f 13,118	100,616	12,056	151,768	133,543
					1948e		3,584,405	1,099,073	f 6,572	35,571	9,556	116,465	159,954
					TOTAL		378,424,686	40,286,352	994,535	5,519,065	1,491,809	1,543,525	1,192,627
		1					,		100,000	-,520,556	_,101,000	_,010,020	_,,02

a The exports up to the year 1834 consisted only of supplies to shipping, of which no record is kept. b Not available. c Approximate figures only.

d Six months ended 30th June.

e Year ended 30th June.

f Excludes Casks (principally empty returns) previously included in this Item.

#### APPENDIX 3.

#### TIMBER INDUSTRY REGULATION ACT, 1926-1937.

Annual Report for the Year ended 31st December, 1947.

The number of mills operating under the provisions of the Act at the close of the year totalled 209 (81 Crown Lands, 128 Private Property). The average number of persons employed on timber holdings each month throughout the year was 3,395 as compared with 3,110 last year. The District and Workmen's Inspectors made 360 inspections of timber holdings and investigated and reported on 668 notifiable accidents, one of which was fatal.

The number of accidents per 100 persons employed was 20. The total period of incapacity as a result of accidents was 14,188 days, an average of 21.2 days per injured person (compared with 22.3 days last year).

Returns as listed hereunder have been prepared, but are not included in this report.

- 1. Number of notifiable accidents reported in accordance with Section 14 of the Act, according to months, and indicating the age and nationality of the injured person, the period of incapacity, and the number of cases on which the first aid outfit was used.
- 2. The number of accidents reported during 1947, and their classification according to location and nature of injury.
- 3. The number of accidents classified according to cause of accident and location of injury.
- 4. The number of accidents classified according to cause of accident and nature of injury.
- 5. The number of accidents classified according to the months and days of the week on which the accident occurred.
- 6. The number of hours worked on the day and up to the time of injury by the person injured.
- 7. A return showing by months the time at which the notifiable accidents occurred.
- 8. A return showing the personal cause of accidents as determined by the Inspectors.

T. N. STOATE, Controlling Officer.

September, 1948.