COPY

In accordance with instructions received I made an inspection of the Forest country to the East of Albany, called the Denmark Settlement. The time at my disposal being limited, I was unable to see the whole of the country in question, but with the help of the settlers and Road Board officials I inspected what they considered was an average of the whole. I went as far west as Hell's Hole, and examined in fair detail the settlement along Scott's Dale.

PAST HISTORY

Denmark was originally held by Millars. Timber Co.

as a sawmilling concession. In 1904 the Government purchased it together with the 28 miles of railway at a cost of £50,000.

Millars had by that time exploited a large percentage of the marketable timber, but, and this is of particular interest from a forestry stand point, they did not cut the timber out in the usual way adopted at Karridale and in the Jarrah forests. The procedure they adopted is, I think, unique in the annals of sawmilling in Western Australia, for they ringbarked the Karri forests on a face, and that is to say, they killed all the living trees; what they considered were merchantable they then felled and the remainder they left standing dead.

I have not as yet found out why they adopted this course which, on the face of it, would seem to have been an expensive one from their standpoint, but I have no hesitation in saying that from a forestry standpoint it was justified, for the splendid even regrowth of seedlings which sprang up formed a new forest which, in time to come, would have provided a fine even stand of marketable timber. The photographs herewith show what a remarkably good growth the Karri has made in 14 years.

growth left, the reason being that the Government of the day decided to convert the forests of Denmark - forests which would have yielded in perpetuity a revenue to the State and given em-

ployment to a large number of timber workers - into an agricultural settlement.

The method employed to destroy the forests and convert them into so-called agricultural land was briefly as follows:

The seedlings growth which had sprung up after Millars had ceased operations was slashed down, while the country was sub-divided into a number of holdings. Millars old tram tracks offered an excellent basis for the sub-division, and these were reserved as roads and the holdings surveyed so as to have a boundary on these roads. The cost of the above work amounted to, it seems, £109,806.

The condition of the forests after the slashing had been effected must have been deplorable, for it is obvious that for every seedling Karri that was slashed down 4 to 6 suckers grew up. Indeed this is well shown on the areas that have not been taken up, such as Karri Sucker Hill, which adjoins Manner's property. The photograph herewith, though a poor one, gives some idea of the resulting thicket.

That the steps taken to convert this forest country into an agricultural settlement was open to criticism is shown by the opinion expressed by Mr. A.R. Richardson, Minister for Lands, in a letter to the Premier (file 7128/96):-

"That there is not a very great extent of first class land in the Concession, but that a certain amount of settlement would follow the acquisition of the property by the State, but the heavy intial expense of clearing and getting the soil into a good condition of cultivation would retard selection to any large extent."

From my inspection of the area I should say that it would have been quite possible to havepicked out all the really good agricultural land and alienated it without damaging to any great extent the Karri forests.

The lots were thrown open in 1909 and 119 settlers took
them up on certain conditions, and at prices ranging from £15 to
to £400 a lot. The conditions were not observed, and very little

In 1916, owing to the deplorable condition of the settlements, a board was appointed to report. It included Mr. Lefroy and Mr. Canning, men whose knowledge of land values and farming in general is beyond dispute. The report of the board (1945/13) is of such great interest that it should be read by all interested in land settlement in the extreme South west. Here are a few excerpts:

"It has been forcibly impressed upon the Board that the expenditure by the State in scrubbing and grassing has proved valueless to the selector, owing to the fact that during the interval wich elapsed between the date of burning off and effective occupation a more dense second growth of scrub and young timber took place."

"The late Surveyor General in Corres. 2471/08 p.76, states: 'The expenditure in question has proved an absolute failure.'"

"Our investigations go to show that the unsatisfactory condition of affairs is directly due to three
main causes, viz., (a) heavy initial cost of clearing and
want of funds; (b) lack of experience and adoption of
wrong methods of procedure; (c) want of stock and the
fact that the quality of soil is such that it requires
heavy fertilising before satisfactory crops can be grown."

"The Denmark country is certainly the most heavily timbered and expensive area in any portion of the South Western Division to bring under cultivation.

"By the testimony of individual settlers, it costs from £20 to £30 per acre to thoroughly clear this heavily timbered Karri and scrub land; in one case we were assured the cost reached £40 per acre."

although apparently of good quality, is lacking in fertility. It is claimed that no returns can be obtained without heavy manuring, and even then the yields zanxkx were produced at a loss. In some instances, selectors who had had experience in Gippsland (Victoria) and the Northern Coastal District of New South Wales, claimed that the results from Denmark were very disappointing, especially in regard to the fact that after a good burn in the places mentioned, grasses etc. can be sown and a good growth is immediately available for stock, while in the case of Denmark, although the same method was tried it was an utter failure, and it was found necessary to cultivate and manure the soil before any satisfactory results could be obtained, thus adding to the expense of development and thereby using up the financial resources of the selector before he could get a return."

"In the case of W. Love who holds Location 448, the Board was requested to submit a special report setting forth the unsatisfactory position in which he is situated

due to the poverty of the soil. This settler
states that he has occupied his holding 6 years,
has expended thereon the sum of £736 including an
agricultural Bank advance of £100, and the whole
of his 6 years labour. The sale of produce
during 6 years only amounts to £15, although he
had made repeated efforts and given the soil heavy
applications of manure."

"Attempts to grow other crops have proved

cost value failures, and he goes on to state: 'I have exhausted
all my means in the endeavour to develop this land,
addition to have followed the advice of Professor Paterson and
the Manager of the State Farm at Denmark all to no
dass which purpose. I was told by Land officials in Perth
that this block was a good one, whereas it is absolutetimber is ely worthless as shown by analytical test No. 271/16,
dated 18/3/16, made by the Government Analyst.' The
believe the Board is of the opinion that the lessee's contention
is unfortunately justified by the analysis quoted

"We also perused the lessee's Savings Bank
Account Book which discloses the fact that the funds
amounting to £558 had been withdrawn by Love since
he began operations on his land.

100 years hence if "The Board found the hopeless conditions, primarily due to unsatisfactory crop returns; the price of the land is hardly a contributing factor of the In support of this view. present state of affairs. from which it is only necessary to instance the fact that in the majority of cases only nominal sums on account of rent manage to have been paid, at the same time we admit that there is justification for complaint against the existing values placed on the land, especially the loading for improvements, and though a reduction in price to what of all futuis in the opinion of the Board a reasonable value for the land, will not give in most cases immediate relief, it will lift a prospective burden from the most progressive settlers and perhaps enable them to obtain piles and pfurther financial assistance, be In some cases the settlers stated that if a substantial reduction in the purchase money was not granted, they would be reluctantly compelled to leave their holdings,"

sweeping reduction in the price of the land, in some cases from 212 to 21/8/- per acre. In other words, the greater part of this large sum of 2109,806 has been written off. Now it has been demonstrated that Karri land without any expenditure of money whatever, with nor care or forestry treatment, will grow this valuable timber at the rate of 100 cubic feet per acre a year. The age of maturity of the species has not yet been ascertained, but it may be put down at a maximum of 100 years.

We may therefore expect, without any expense or sylvicultural operations, 100 x 100, or 10,000 cubic feet of timber (200 loads) to the acre at maturity. Much more than this has been actually

developed, e.g. Normalup, the question of the value of the land from a timber point of view should be thoroughly investigated.

are in doubt regarding the Karri land that still remains. They realise the cost of clearing in this country when the suckers form a dense thicket and they asked me if nothing could be done to find a use for the young timber. It might have a value for paper making, and I/making enquiries in this direction, but I am not very sanguine as to this solution of the difficulty. No doubt if there is a sufficient area of this country wtill remaining it would pay to treat it on forestry lines. It would entail a certain amount of expenditure in thinning operations to put it in a sound condition, but this work would, I gather, be very acceptable to the settlers who, as has been shown in the Board's report, have little chance of making a living on their farms.

Such a course would entail the excising of this sort of country from the lots that are occupied and the reservation of all lots that have not been taken up on which Karri regrowth is established. Some settlers I saw stated they would be glad to be rid of those areas on their farms which were still covered with regrowth; that they had quite enough country cleared and were paying rent on what was no good to them. I am unable to say whether a sufficient number of settlers are of the same opinion. It is obvious that unless it is possible to get a number of adjoining settlers to agree to this course, it will be difficult, if not impossible, to obtain sufficiently large and at the same time compact areas for the purpose in view. In view of the great walue of Karri timber, and the fact that the ground is unsuitable for farming, I think it would be desirable to sound the opinions of the settlers on this matter.

RECOMMENDATIONS

- 1. That the report of the Board that enquired into the Denmark Estate be published in the press. (See Lands 1946/13).
- 2. That an enquiry be made with a view to finding out whether it is feasible to resume andreserve sufficient Karri land in the Estate for the purpose of reestablishing a forest there.

26/3/1918.

(Sgd.) C. E. Lane Poole.

x	IL	III	IV	V	AI	VII	
Loads in Loads in square 40% recovery		Export Val. @ £7/10/- per ld. of sawn timber f.o.b.	Gross saleable wealth which settler must produce per annum to equal this off 100 acres on which he is established at a cost of £1000				
per per 100 ac.	per per 100 ac.		for 5 yrs.	for 10 yrs.	for 5 yrs.	for 20 yrs.	
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I	II	III	IV	A	vi	AII	VIII	IX	х	XI
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per per ac. 100	er per		for 5 yrs.	for 10 yrs.	for 15 yrs.	for 20 yrs.	for 5 yrs.	for 10 yrs.	for 5 yrs.	for 20 yrs
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METHODS OF COMPUTATION

Column I

100 leads in column II = 40% ? = 100% 100 x 100 = 250 leads

Column II

Column III

column II x 10 s e.g. 100 x 10 £1000

Columns IV to VII

To the value of the timber in column III add for column IV £300

V £600

VI £900

VII £1200

These figures represent simple interest on initial cutlay in establishing a settler i.e. £1000 at 6% for 5 years = £300 £1000 " 6% " 10 " = 600 £1000 " 6% " 15 " = 900 £1000 " 6% " 20 " = 1200

The object then is to find what annual return for the respective period equals this combined figure of timber value and compound on cost of establishing settler. This may be worked out as in example hereunder by using the third column of tables given on page 261 of Chapman's "Forest Valuation". e.g.

Export value of sawn timber 28000 Simple interest on initial outlay for 10 years 600

From tables -

21 per annum obtained every year for 10 years amounts to 213.1808 at the end of that period allowing interest 66%.

Therefore 8600 = 652.5

per annum each year for 10 years would amount to 28600.

Columns VIII to XI

Present values of all due in respective periods are given in second column of tables on page 261 of Chapman's "Forest Valuation" - same example as above.

£8000 = value of sawn timber in 10 years time

Present value of £1 in 10 years = £.5584

Present value of £8000 = = £4467.2

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