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Live of the State of the Board

LONDON, S.W.

16th May 1925

Major Hos. W. G. Ormsby-Gore. M.P. 5. Manefield Street

Dear Mr. Ormeby- mre

In the course of the discussion which followed your very interesting paper the other night at the Royal Colonial Institute, you laid particular emphasis on the fact that you invited criticism not only of your paper but also of the report of the East Africa Commission.

This must be my excuse for the one or two observations

I would like to make on that side of this subject which most interests me, viz - Transport.

I think we are all agreed that the first and most essential step in the development of a transport system in Tropical Africa is the construction of arterial railways. On the other hand we all know that a railway is only a sound economical proposition where the traffic is sufficient to justify the large capital expenditure. It might be worth concentrating for a moment on precisely what the words "adequate traffic" mean.

I believe I am near the truth in stating that a railway in Tropical Arrica costs in interest on

mile per annum. This £1000 per mile per armus tould cover all expenditure excluding the actual cost of funding the trains. That is to say, interest on capital, maintenance of the road in good running condition, replacement of rails and buildings, etc. as required. In fact all the ordinary standing charges as apart from the actual running costs of the railway.

If now 100,000 tons per annum is, on the average, carried over every mile of the Railway, then these charges amount to 2.4 pence per ton mile, to which must be added the actual cost of running the trains - probably another 3d or so per ton mile, making a total charge of 5½d or 6d per ton mile for the carriage of produce and goods, which is, of course, high but not prohibitive. Increase the amount to say 200,000 tons per annum and the cost would no doubt be reduced to 3½d or 4d per ton mile, which is just about the cost per ton mile on the Nigerian Government Railways and the quantities they carry.

On the other hand if you reduce the tonners very much below that figure to say about 50,000 tons per annum, the cost would probably to about 20,000 to a second contract to about 20,000 to a second contract to about 20,000 to a second contract to a second contra

ton mile. With a further great reduction in volume the costs soon rise until they become prohibitive.

Coming now to the special case of the Railway recommended by the East Africa Commission from Ngerengere to the north end of Lake Nyasa, the distance is something, like 400 miles and the annual cost of maintaining such a railway, therefore, will be in the neighbourhood of £400,000 a year. According to the report of the East Africa Commission the population to be served is 500.000 in Northern Nyasaland, 500,000 in North West Rhodesia and 1,000,000 in the Southern part of Tanganyika territory. That is to say in the final analysis, a population of two million is asked to accept a liability of £400,000 This is a very large burden to place on per annum. the shoulders of two million natives, but one which probably they can quite well carry. In order, however, to be able to justify such an action, there are two prior conditions which should be fulfilled:

(a) An economic survey should be made of the country by men competent to produce actual facts and figures to shew that the territory to be served by the Railway is capable of rataing produce on which the margin of profit is sufficient to pay for the railway. This

point was very cogently put by Sir Frederick Lugard in the course of the discussion and it is also specifically second edge in the Report of the East Africa Commission.

The second point, which I have not seen mentioned elsewhere, is to my mind at least equally important. I think that in common justice each one of these two million natives who is liable for his share of the maintenance of this great cost has a right to be put in such a position that, should he desire to de so, he can make use of the Railway for shipping his own produce out of the country. The point is this: The Railway though 400 miles long is only B' 6" wide and a person does not have to be situated far from a road or a railway in the tropics for it to be of no more use to him than if it were in the moon: It is sometimes not fully appreciated how much of a man'stime is absorbed if he has to carry his produce an appreciable distance to find a market. Assuming that a ton is broken up into 30 head loads and that fourteen miles is a fair average for a day's journey. it would take him more than a year to bring down one ton of produce to a railway 100 miles from his home. other mords if he were to spend half his time carrying

and half producing, the gost that he can expect to get down to the Railway is half a ton a year. Now of course, is hopelessly uneconomic. The man should, be a producer and not a heast of burden, but this can only come about with the provision of means enabling him to get his produce, to the market.

Now a great many people believe that this case can be met by developing a system of macadamised roads. Personally I consider this view to be quite unsound and I can perhaps best bring out my meaning by an illustration. I know one of these so called macadamised roads in Tropical Africa. I will not, at the moment, state precisely where it is, as the last thing one wishes is to have the appearance of attacking or criticising specific individuals or administrations. The road I have in mind is something over 100 miles long and cost £100,000 to build. The interest on £100,000 is £5,000 or £5,000 per assnum and the maintenance of such a road will cost at least a other £5,000 or £6,000 per an..um. In other words, the community, in whose territory that road exists, have to pay £10,000 or £12,000 per annum for the privilege of having it. It is what is known in Africa as a macadamised road. Now the point of making a macadamised road is to provide a

how it might be said that amounts so trivial as 100 tons ayear are not worth bothering about. I would ask you, hewever, to consider this. Tropical

Africa is some 3.500 miles across by about 2.000 miles deep. . There are no courtee in which production is concentrated - nothing to correspond with our Mancheste, Birmingham, Sheffield, etc. etc. on the controls population is very sparse and is comparatively evenly distributed over the whole of this rast area. It is quite impracticable to attempt to concentrate production in certain favoured districts. There are political, racial and tribal considerations which make such a course most undesirable even were it possible and we must, therefore, be content to collect the produce where it suits the native to grow it, rather than to endeavour to compel the native to grow the produce where it would suit us to collect it. 100 tons is a fairly substantial amount for one small village to collect but if you have 100,000 villages peppered over the emillion square miles of Tropical Africa, each producing 100 tons, the total is indeed imposing and would provide plenty of raw material to keep our factories and mills ousy; and, on the other hand, the production of such large quantities in Africa would provide the natives with the means to purchase the manufactured articles of England.

The problem of Africa, as I see it, is the transport of the small amount and not of the large

Provided the quantities are on a sufficiently big scale, we already have the knowledge and the mechanical means of dealing with their transport satisfactorily. The difficult problem is the economical transportation of small amounts of 100 tons a year or so. That, of course, brings me to the inevitable conclusion that, as it is impracticable for us to provide a closenetwork of roads in Africa capable of bearing transport vehicles on wheels, we are driven seriously to consider the alternative of making vehicles which will pass over the kind of tracks which are likely to be for many generations to come, the main means of communication throughout Africa. I believe firmly that such vehicles car and indeed are now being produced, but at the same time I do feel that there is still a great deal of pioneer work to be done before these present types become fully developed, adapted and suited to the conditions and environment under which they will have to work in Central Africa. Somebody will have to do this pioneer work and if it is left to the very limited resources of the manufacturers of this type of vehicle, the development will only take place very slowly. The Ampire Cotton Growing Corporation is doing what

can within the limit of its means to urge forward the colution but something very much larger than this is required. It was been suggested that a small proportion say the class for colonial Loans for Railways might be earmarked for the purpose of helping forward this new system of transport. In wiew of the fact that when fully developed it would no doubt save millions in unnecessary road and even in Branch Railway construction, it would seem to be a very sound suggestion seconomically.

However, my real object in writing to you at such length was to develop my main thesis that the grant in the African transport problem is the small amount while the dwarf is the large amount.

Yours sincerely.

AH. Bracker fory

RHB/EJP

Deur Brackenbury.

I am much obliged to you for your interesting letter about most Africa transport obestions. The views which you express in your letter I am having put on record for consideration together with other suggestions and comments that I have received in connection with the recommendations of the most Africa commission.

Yo re sincerely.