WIRELESS TALK

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MELBOURNE STREET TRANSPORT - No. 2.

In our first talk on this subject we covered the pre-bus days and the foundation of the Melbourne Tramway and Omnibus Company.

In the year that the first Tramway Bill was put before the Victorian Parliament, 1872, the Company was operating on six routes, viz:

Spencer Street Station	to	Brunswick Street, Nth.Fitzroy.
Hobsons Bay Railway Station now Flinders Street		Cnr. Johnston & Hoddle Streets, via Carlton.
H H 'H H	to	Cnr. Johnston & Smith Streets, viz Fitzroy & Collingwood.
of protect was raised in the vi	to	Simpsons Road (Victoria Street).
11 11 11 11 11	to	Hotham (North Melbourne).
Bourke Street (Opposite Royal Arcade)	to	Hawthorn Bridge, (Richmond.)

Twelve years later (the year the building of tramways was started), omnibuses were running on the following altered and new routes -

Street railways operated by horses had been in use in

The Brunswick St. route had been extended to St. George's Road.

" Smith Street " " " Queen's Parade, Clifton Hill.

" Hotham (Nth. Melbourne) " " Flemington Road.

The additional routes were :-

this conseined, and

Flinders Street to Brunswick.

Bourke Street to Brighton Road (St.Kilda.)

" to Cnr. Chapel Street & Dandenong Road, Prahran.

to Emerald Hill (South Melbourne.)

" to Sandridge (Port Melbourne.)

and a small type of bus (known as "Pill-boxes") was run on the Moonee

Ponds and Northcote routes, connecting with the main bus lines at

Flemington Road and Queen's Parade, respectively.

When the cable tram lines were opened, but buses released were used to open up other districts and in the late 80's the Esplanade,

Treathie Trust power to leasn the lines so

Rathdown Street, Church Street, (Richmond), and East Brunswick routes

were opened, and a little later they were put on Malvern Road, High

Street and Dandenong Road between Chapel Street, Prahran, and Glenferrie

Road, Malvern.

on 3/4/16, eight weeks prior to the tramway system being taken over

T told you a few minutes ago that the first Tramway Bill was introduced into the Victorian Parliament in 1872. What a storm of protest was raised in the various municipalities. Public meetings were called and deputations waited on the Government.

America for fifteen years and in England for twelve years. Steam operation had been tried in many places but ruled out. The first cable tramway in the world was put down in San Francisco in 1873 and proved very profitable.

In 1881 a conference of the municipalities concerned discussed a basis on which trams could be introduced in Melbourne.

As a result a new bill was introduced into Parliament on 31/5/82 and was referred to a select committee of the House for report.

This Bill provided that the Company was to construct tramways under the supervision of a Tramway Board, but while the matter was before the House it was decided that it would be preferable to have the Tramways constructed by a body directly representing the municipalities concerned, and give this Trust power to lease the lines so

This Act finally became law on 12th constructed to the Company. ment was, therefore, entered into with the Company by which the October, 1883, construct on Mchalf of the Trust the Richmond line.

had not completed its arrangements for raising the money required and

The Municipalities interested formed THE MELBOURNE The Company agreed to charge the Trust the actual cost only, which was TRAMWAYS TRUST and its first meeting was held on the 4th March, 1884. to be repaid on the loan being floated.

The Act had left the question of motive power open, interest in the early reports of Section 22 of the Act reading :-

"All carriages used on the tramway should be moved by "animal power or by means of stationary engines with
"an endless rope running under the road or by such
"other motive power except steam locomotives as may be
"thought fit."

necessary to gas and water mains, and the alteration The Trust, therefore, had to settle with the Company as As a result, Mr. Clapp, the Chairman of to the system to be adopted. "sat back" and, although they in many wave resped substantial

the Company, and Mr. G. S. Duncan who had been appointed Engineer to assistance was forthcoming. To doubt many of these

the Trust, visited all the main tramway systems in America and elses were brought about by the vital changes sade in the Bill

On their return and report as to the result of their enquiries, The many safeguards imposed on a public

it was decided to work most of the lines on the underground cable been considered unnecessary had the draftesen provided

system, the exceptions being the lines to South, Port, North and West of control such as the Trasways Trust which was composed

Melbourne, where, owing to the numerous curves, it was considered that tatives of all the municipalities concerned.

The Kew and Hawthorn extensions were to horses would have to be used. may be of imprest to mote that the alterations to drains

The mileage under the different kinds be operated by the same means.

of construction was given as follows :-

toria Street) one of the most 33 miles. Cable lines . . .

16 miles, rrane drainage at the Horse # ... TOTAL 49 miles. to drainage from the tunnels

AND the estimated cost of construction was about £1,000,000.

The Act previously referred to provided that the whole

Swanston Streets, goet

of the lines had to be completed by 12th October, 1888.

an agreement was, therefore, entered into with the Company by which the Company was to construct on behalf of the Trust the Richmond line.

The Company agreed to charge the Trust the actual cost only, which was to be repaid on the loan being floated.

the Council agreed that alternate tenders should be called for, and if There are many items of interest in the early reports of the East drain cost more than the West they would pay the difference, the Tramway Trust. From the very commencement of operations in connecbut on no account would they allow the drainage to go Heat as it would tion with the laying down of the tracks, great difficulties were met with Tanders were then called and it so happene swamp the Whole district. in the alterations necessary to gas and water mains, and the alteration that the Mest schape was to cost more than the East one. The Council to drainage. All the authorities concerned in these matters appear to at once decided that the drainme to be built to the Nest and so it was. have "sat back" and, although they in many ways reaped substantial other incident which cost the Trust consthing like benefits, no assistance was forthcoming. No doubt many of these 218,000 occurred in connection with the bridges over the Yarra at Bridge difficulties were brought about by the vital changes made in the Bill when it was before Parliament. The many safeguards imposed on a public feat must be left between the rails and the kerb at any point, Company would have been considered unnecessary had the draftsmen provided of these bridges was wide enough to give this space and it was, therefore, for a system of control such as the Tramways Trust which was composed necessary for the Trust to widen the bridges to complete the lines in of representatives of all the municipalities concerned. accordance with the routes provided in the Act. The Kew Horse line heading it may be of interest to note that the alterations to drains was completed to the Eastern side of the bridge in December 1887, but alone in Flinders Street, between Spencer and Swanston Streets, cost was nearly three years later before the bridge was opened to over £3,600. In Simpsons Road (now Victoria Street) one of the most the Best cine. serious drainage problems was met with. The surface drainage at the many of the thousands who daily use the west and of intersection of Church Street together with the drainage from the tunnels Collins Street have noticed that the building line deviates in places had to be provided for. This necessitated the construction of a brick The laying of the tran line in this part was sewer of considerable size for a distance of about 12 miles. fust about completed when someone discovered that the lines were as such

The drainage troubles at Brunswick however,

work cost £7,500/-/-.

capped all. In fact they read quite "Gilbertian". The Trust proposed to carry one of the drains along its natural watershed in Albion Street to the west of Sydney Road, The Council refused and insisted on the drains being taken via Albion Street east. After a lot of bargaining the Council agreed that alternate tenders should be called for, and if the East drain cost more than the West they would pay the difference, but on no account would they allow the drainage to go West as it would swamp the whole district. Tenders were then called and it so happened that the West scheme was to cost more than the East one. The Council at once decided that the drainwas to be built to the West and so it was.

Another incident which cost the Trust something like £18,000 occurred in connection with the bridges over the Yarra at Bridge Road and Victoria Street. The Act provided that a space of at least 9½ feet must be left between the rails and the kerb at any point. Neither of these bridges was wide enough to give this space and it was, therefore, necessary for the Trust to widen the bridges to complete the lines in accordance with the routes provided in the Act. The Kew Horse line was completed to the Eastern side of the bridge in December 1887, but it was nearly three years later before the bridge was opened to carry the trams to the West side.

How many of the thousands who daily use the west end of Collins Street have noticed that the building line deviates in places from a straight line. The laying of the tram line in this part was just about completed when someone discovered that the lines were as much

as 20 inches nearer one building line than the opposite one at King Street crossing. Property owners in the neighbourhood declared that the value of their buildings were thus depreciated, and the episode cost the Trust £1,200- in settlement.

An Amending Act which was passed in 1887 relieved the Trust of many of these obligations, and made provision for the corporations paying their share of the improvements in drainage, etc.

action commenced in June 1888 by a London Cable Traction Company for alleged infringement of patents. An injunction was also sought to restrain the Trust from putting down any more tramways and to pull up all that they akked had already constructed. The case was eventually settled out of Court and the sum of £6,450 was paid for the whole of the Victorian patents in connection with cable tramways.

The routes set out in the Act of 1883 were varied and extended by further Acts while the lines were in course of construction.

The experience gained in running the Richmond, Fitzroy, Victoria Street and Clifton Hill lines led to method of working on South, Port, North and West Melbourne lines being changed from horse to cable, and the schedule finally adopted by the Trust gave

Cable lines 41 miles.

Horse # 5 miles.

46 miles.

visduots.

The following are the dates on which the lines were opened for traffic :-

Richmond 11th November, 1885.

Fitzroy 2nd October, 1886

Victoria Street 22nd November, 1886

it we covered the pre-buc

k Street, Wtb.Pitsboy.

itarny & Callingrood,

(Worth Welbourne).

Clifton Hill 10th August, 1887.

Nicholson Street 26th August, 1887.

Brunswick 1st October, 1887.

Carlton 21st December, 1887.

Brighton Road 11th October, 1888, 1888, 1888

Prahran 26th October, 1888.

North Melbourne 3 March, 1890,

West Melbourne 18th April, 1890.

Port & South Melb. 17th June, 1890.

Windsor, 27th October, 1891.

The length of wire rope in motion under the various roads when the system was completed was equal to about 95 miles. They varied in length from 16,000 to 32,000 feet. Their average life was less than twelve months and this will give us a total of 15,000 tons of wire rope used up during the Company's lease at a cost What has become of the worn out ropes. of roughly, 3 of a million. They were composed of steel wire with a breaking strain of about 60 tons. In the early days they were bought by a local agent, cut up into small coils and exported to China for nail making. Later, they were bought by a local nail manufacturer, but of late years their and a quall true of bus (known as "Pill-boxes") was run on the Moonee last resting place has been in concrete reinforcements for bridges and Many have also been used for suspension bridges in all Plewington Phod tod Chmen's Penada, respectively. parts of the States.

Than the public true lines were council, but buses release