

22/8/16.

## ROLLING STOCK.

This I find in a condition which will render considerable repairs \&c. necessary to endure the running of the cars for any length of time.

The company having refused to supply detail list of repairs provided for in their claim makes it impossible to may if their claims are reasonable, or not without getting a detailed report on all the rolling stock. I find that their costs of construction as prepared by the company and placed before mo showing labour and materials shows that in December 1915 the cost of the various car bodies and dummies was as follows:-
Bogie Cars....... \& 382.1 .8 each
Standard Cars.... 211.11 .0
Dummies ..........
169. 9. 2

Considering the last Bogie Cars they built outright was in 1906 their claim that the Bogie Cars cost 8382.1 .8 in 1915 is only an estimate, taking into consideration the increased cost of materials and labour. The last Bogie Cars put on the road in 1914. were constructed by joining two shorter cars together, so they cannot be reckoned as newly made cars.

The last Standard Cars were made in 1913, and here again, their claim that the car cost e211.11. O each in December 1915 is only an estimate, and the last Dummies were built in 1912, and the same consideration applies to them.

These costs are considerably more in my opinion than the i costs would have been in June 1914 or before the War, and their claim with the deduction they propose for necessary repairs brings the figures out at higher dost than the original cost, or in other words they claim more than the original costa of the oars after having in some cases used the cars for 25 to 30 years.

The coste of the cars in 1915 are inflated on account of high prices of materials and le bour.

If ind the following cars and dummies have been built since 1898, and the years of onatruction:-

Bogie Came - 12 were built in 1901 by joining two smaller cars together: 18 in 1902; 12 in 1903: 8 in 1906; and 6 in 1914: these were built by joining smaller cars together making 18 , and a total of 56 Bogies.

Standard Cars. 10 were built in 1900; 10 in 1901: 18 in 1907: 12 in 1911: and 24 in 1913, making a total of 74 Standard Cars.

Dummies.- 10 were built in 1906: 20 in 1907; 20 in 1912; making a total of 50.

We find that the majority of the tr rolling stock was built before 1898.

Similar af bodies to the standard car body could have been built for about filO in 1888, and there was no material increase in wages up to 1898, so that should be taken for the cost of cor bodies in 1898. The increases in labour would make a difference of about 8-2\% in 1903; 13\% in 1909: 32\% in 1913. $52 \%$ in 1915. taking it la five year stages.

Materials would increase about the same ratio for 1915, but in a good many instances a substitute costing about the same (and some ines less) as the original materials qed could have been used, and only a few items which could not be substituted such as white lead, oil, iron and steel would have to be used.

Labour on one of these cars used to cost in 1888 for milling 8
for withing $\&$ for Body making \& and for painting \& making a total of about \& $52 / 4 / 2$.
Pleterials would cost about $\$ 66.1 / \mathrm{m}$.
$20 \%$ factory burden must be added - $223.13 /-$
The Care as I have reported before in my opinion will be
superseded by a nore up-to-date syetem within ten yeare, 15 ife teke their iife at forty years, considering they are about thirty years odd, and no improvement or alteretion in deeign except in the bogle cars has taken place, they mave only one fourth of their 11fe lert, that woula leave their value one fourth of their original. or about 437 plus a renidual value.

Another, and I think a better way to arrive at the value is to view them from a business standpoint. I have seid that ten years is the most in my opinion that the general public will tolerate this low syatem of traffic. Now a buaneas man would look at it from this view - Within ten years these must be wiped out altogether. They heve ecertain residual value at the and of that period, and I must provide for their oost to be reduced to that amount in the ten yoars. I have fixed the rate of writing down at ton per cent on the diminishing value. One inducement for me to fix ten per cent fo that it is the largest amount allowed by the Income Tax Commissioner. Writing off thia ten per cent each year for ten years to Ieave a residual value of 220 for the Bogie Cars \&15 for standard; and El0 for Dumies we arrive at a value of
 \&28.13/- for the pumaies.

If we reckon along another recognised way of arriving at the value of plant sce. we could fix a rate of depreciation of $2 \%$, and for obsolescence of $3 \%$, making a total of 5 on the diminishing value it would bring the values. redkoning on the values the Company put on the atock down, as per schedule attached.

## OTHER PLANT AND MACHINERY. -

This must be classified under different heads such as fixed Hechines, and Powar Tranamtting Plant.

Fixed Hechinea of generel usefulneas such ae Lathea, Drilling Machines, and the like have a high residuel value, because of their general use and application, and I would fix
this value at $40 \%$ on the original cogt if in good running order. and add the cost of installation to their value, and the value of the car transitting portion of the plant, such as shafting pulleyn, plumber blocks, and the itke et $50 \%$ of the original value plus cost of installation.

Belting and the like bhould be reckoned as having a life of ten years, and should carry a depreciation rate to replace same each ten grears. This must be reckoned on an average, becauze you will get exceptional cases where belting has run on the same machine for thirty years, but it is not the exceptional value we are looking for.

PATPDRIS:- Phese are costly to produce, but the usefulness $4 s$ gauged by the convenience of getting a replacoment for a broken or forn out part quickly, but a in my opinion this means of street traffic must be superseded by some other more f up-to-date system, their useful ifife is only ten years, and are therefore worth only about one sourth of their original velue. Their resicuel value will be nil, becuase the only business to which they are of any use is Cable Trams, and they will bo, if my contention is correct, out of existence in ten yeara time.

TOOLS. - I would value the toola in use in the workshops at one third their original value. That would include all tools that were of use- this is an average that would work out at about a falr thing. If each tool is valued separately one would have to diacerd a. lot of tools that are almost worn out, although they had certain amount of usefulness left, but would require work to be fpent on them and then would not be quite es handy as less Horn ones.

RE STORPS AND SPARES.
I reported before that i coula not judge if thace stocke Were too great without getting some information in regara to the quantity of repaira that are put through each year. In regard to
the stores that are suitable for repaira, we should get these at invoice value. This would give the company their discount which would be really a buyting commission.

Judging from the stoaks of spare parts of rolling stock one would form an opinion that considereble repairs are cartied out or that the quantity of epare parts is unduly large? This is another case where it ts essential to know the amount of repairs and replacements that are nocessary per year..




