the ordinary macadamized roads were the nearest railway station located at St. Rose or still turther east.

The plateau on which Mile End is situated. being elevated one hundred and twenty feet above the principal part of Montreal, no direct railway connection with the heart of the city could be had, except at a cost too great to be entertained, oven were it prudent to allow engines to traverse crowded thorough. far. s

It has, therefore, been thought desirable to reach the level of the harbor by an extension of the main line from near Coteau J., Louis road, curving to the east, and passing in nearly a direct course to the division line be-tween Shepperd and Peel's properties, and from thence, curving slightly to the south fit strikes the river a short distance above the present Hochelana whatf.

The length of line from its point of depar ture, at Mile End, to the harbor of Montreal is 2 71 miles, of which 1 38 miles are straight, and the balance of 1.33 miles in curves, 5,730 feet. The total cost of this section will be about \$45,000, or '16,605 per mile, without taking into accourt its proportion of rolling stock or equipmen. The wharf, it is presumed, would be constructed by the Harhor Commissioners, the company doing the fitting, with the excavations from the line

With reference to the necessity of making this short extension of the line, I may be permitted to express an opinion strongly in favor of its immediate construction, when the company will at once find a large traffic in lumber for exportation, either by water or by the line of railway projected from Longueuil to unite with the American lines on the south This trade is soon designed to be largely increased by the junction of our line with the Canada Central Road from the great lumber producing region of the Dominion. In the meantime, the Hochelaga extension is urgently required for supplying cord wood to the extensive brick and lime-kilns, and to a large portion of the eastern suburbs of the city, receiving in return a considerable amount of freight in the form of bricks, lime,

The bridges are designed on the "Howe-Trues and Arch" principle. The timber work of the bridges is roofed, and entirely covered in by boarding or sheeting to provent decay.

The average width of land taken is 30 feet, sufficient for a double track at the future period. The guage adopted is the narrow one, or Aft. Si in. The wooden permanent way recommended that known as the "Fuster wooden Railway." An estimate of the cost of the equipment, reaches the sum of \$110,000, which has been embraced in the estimated ates, or \$3231 per mile, from Hochelaga to St Jerome via Monlin a la Delle.

The style of angine strongly recommended for a road of this character is the "Fairlie Eaton Engine"

Mr Hulbert states that the track, or per manent way on the Clitton road cost \$1 500 gold, per mile. Mr Foster, will be prepared to lav the new style down on the cond complete at \$1,650 per male, or one dollar per yard. Two serious objections, in my opinion, exist to the cultien system of weoden track, and are as follows --

1-t. The rails are said longitudinally, exposing the fibre of the timber in the weakest condition to the traction causing it to city b סר יי דירות שף יי

2nd. The joints in the rails occurring at short int reals of 1? to 14 feet, without assistance of the chairs or fish plates of the ordinary iron rail, cause an uneven surface to the road. The engines and rolling stock, in passing over the line, at each inequality, impinge on the rais to a greater extent, than it trey were uniform and continues, and thus inc case - the destroying agencies, while at the same time, acting prejudicially on the rolling stock itself.

These two leading objections have been surmounted in the "Foster system." It is a

well known fact, that the fibre of timber, when placed endways, is capable of resisting a much greater amount of strain, or wear and tear, than if expossed horizontally to the same force, wooden steps for supporting i the shafts of the water wheels being cases in point, are used in preference to metal bearings, and last for many years.

At St. Jerome the present price of cord wood is one dollar per cord, and at St. San-veur, but seventy-five cents per cord. The aggregate supply of wood from these districts will amount to the enormous sum of 46,612,-000 cords, capable of supplying this city with its present consumition, for 288 years.

In the Townships of Asxford, Doncaster, Carrick and so on North, there is reported to be abundance of good pine timber

Collecting our computed annual revenue from the three items enumerated we have . Truffic charges on transport of

80,000 cords of wood at \$150 per cord..... \$120,000 Trathe charges on transport of

450,000 bushels of grain at 2 cents ..... 9,000 Traffic charges on transport of

24,000 passengers at \$0.50 . . . . 12,000

Making a total annual revenue of Si41,000 Of which we will allow the large margin of 80 per cent, to cover working expenses and renewals, and there will remain \$28,200 for interest account.

The amount of money required to build and equip the line from Hochelaga to St. Jeromo 18.. \$489,654

Which at 7 per cent per annum will require ..... \$34,275 To meet this amount are the proceeds of the Government guarantee of 3 ner

cent, on \$5,000 per mile for 34.04 miles=\$170,200 at 3 per cent.....\$5,106 Cost of bridges over Uttawa

\$107,058, at 3 per cent Estimated profit on traffic .... 28,200

Leaving a balance of.....\$ 2,241 After paying 7 per cent, on the total in-vestment, and allowing 80 per cent. for working expenses and renewals.

\$36,517

The foregoing figures all err on the safe ide, and should convince the most sceptical of the great importance of the work, both to

the country and city.

Taking the saving effected to the city in the reduction in price of the single article of cord wood, and the gain to the country by the enhanced price of the same, with the increased price of agricultural products, and we have a sum of \$286,000 per annu realized by the operation of the road, a saving which in two years would more than build and equip the line

Or in the event of the Corporation of Mon treal, and the various municipalities interested, agreeing to become responsible for the annual sum required as interest on the total cost, less the amount of the Government guarantee, \$8,317, it would only amount to \$25.958 We have showed that the city and municipalities will each year save, on only two items of the traffic, the sum of \$236,000 from which deduct the amount of interest on cost of railway, : 25 358, for which they would be itable, and a net yearty valance of \$210,-042 is in their favour

It is a asidered that any further comment is unnecessary.

The figures and facts are now before you, and it is for you to decide whether the deductions drawn therefrom are reasonable or otherwise.

I have the honour to be, Gent'emen, Your obedient servant,

CHARLES LEGGE, Civil Engineer, and Provisional Director M.N.C.R. RAILWAYS TO BRUCE.

## IMPORTANT STATEMENT BY MR. BRYDGES.

The following letters have been handed to us for publication .-

To the Warden and Councillors of Bruce .

GENTLEMEN, At the late meeting of the County Council, called specially to consider the Railway question, the Wellington, Grey & Bruce Company's delegation stated that "there was an interchange of care between the Great Western and the Grand Trunk Companies at Grand and that consequently Grand Trunk or Guelph. and that consequently Grand Trunk or Great Western cars, when loaded in Bruce for Toronto or rouns east of it, would be (as was claimed to be now the case) exchanged from the track of the Wellington, Grey & Bruce to that of the Grand Trunk Railway." These allegations were denied on behalf of the Toronto, Grey & Bruce Railway Company, and your honorable Council and the Press requested to take notice of that denial and of the statement repeated by the W. G. & B. Company, that there was an exchange of cars at Guelph and elsewhere.—Mr. Reid, C. E. making a general charge of inaccuracy as to my statements, and reassirming that cars were usually interchanged at Guelph and elsewhere, Mr. Adam Brown corroborating Mr. Reid's remarks. Under these circumstances I am much pleased

Council to the attention of yourself and honorable Council to the annexed letter from O J Brydges, Esd, Managing Director of the Grand Trunk Railway Company and beg to remind you of the pointed manner in which the extraordinary statement of the W G & B Company was pinned for uttention.

I need not ask you to reflect therefore that there can be no chice of markets at Guelph without transhipment to Grand Trunk cars and extra cost of running freight and passengers over another railway to reach Toronto. You will also recollect Mr White's statement,

positively made and reiterated, that the Wel lington. Grey & Bruce Railway, if built, would essentially be a branch of the Great Western How then are you to have a choice of markets? Gentlemen, you will have no choice but of sending your produce to Hamilton No doubt Mr Brydges' letter will command that attention which so grave an issue for Bruce demands, and satisfy Mr Hall that he cannot pass his flour or meal over the Wellington, Grey & Bruce Railway to Guelph and thence in the same cars over the Grand Trunk Railway to coronto or elsewhere, and this point plainly proven will no doubt induce him and a great many others to withdraw their support from a cause that is mainly kept affoat by misrepresentation.

I am, Gentlemen,

Your obedient servent.

(S goed) Toronto, Sept 22, 1869.

G. LAIDLAW. GRAND TRUNK RAILWAY OF CANADA.

MANAGING DIRECTOR'S OFFICE MONTREAL, Sept 25, 1869

DEAR Sin,-I am in receipt of your latter of the 2201 inst , enquiring as to the facts in reference to an interchange of cars between the Gring Trunk and Great Western Railways.

In reply I beg to state that the interchange of cars between the two companies is exceedingly lim'ted.

There is an interchange at Guelph, and it is a very exceptional case for any cars to be inter-changed at Lond. At Paris the Great Western Company bay. It a long time refused to allow their cars oaded west of Paris to pass down our line in the direction of Buffalo.

The Great Western have also refused, and do refuse, to allow their own cars, leaded at any refuse, to allow their own cars, toated at any station on their own line to pass along the Grand Trunk railway beyond Toronto. An freight that a brought by the Great Western Company to Toronto is transhipped at that place from their own cars to ours, and the result of this is, that a large trade which used to go to Toronto and pass along the Grand Trunk Railway is now lost and the result of it passes out of Canada at the Suspension Bridge on to American railways.

Bridge on to American railways.
At Paris we allow the Great Western Company to send full car loads of freight loaded at Hamilton to stations on the Buffalo and Gode-