The Pacific Railway.

whole distance from Fort Livingstone to Fort Edmonton is 516 miles.

It will be observed that this long stretch of road will require for its countraction some 39 nules of light work marked as 'voy, exy.' Bo harked as 'say,' and 'voy, exy.' Bo harked as 'say,' and 'noy, exy.' Bo harked as 'say,' and 'say and 'say and 'say and 'say and senting bridging, which becomes costly being to the numerous rivers, running through deep gorges, that have to be spanned. Aller passing Eduionion, the johaned. Aller passing Eduionion, the shaked and the same the Pernbun and Miracol Rivers; its course, with a slight trend to the northward, being userity work null its frikes the Alber the Kocky Moustanne. Here the road turns the Kocky Moustanne. Here the sould be the sould read frast the roads has a start of the southward, in order to reach 'tellow Head Pass the roads has here how Head Pass to all the interriver, due northwest, until it reaches Stavart Kiver, about fifteen miles morth how Head Pass to Si miles, and from Yainean to the southward. In south to reach the work of the start fiver 30 miles, making a total of 35 miles through mean fines to the south happity one natprimes. If the void during a through the promation south and the happity one that promations of the south and in the prints. Marked First happity one that promations of the south and in the south first only 15 miles can be at down as 'yary asgy' of construction, while 365 are regarded as 'yary' and Using 'happity.

Stowart Elver is the most horizontal point atalance by the line. From theme, to Bute Inter, 26 miles, the routs is nearty due south, the long slope to the north-"Ward lineving been rendered necessary in 600 for the root diroxyma hier "ran of mountains" that lies between Bute Interand Fort Butenties. On the last section the most difficult portion of the work is unless are reported "ensays," while is make are "heary," and 38 "very heavy." The construction of the Candiant Particle, in last, for the last terry or faily miles will engineering only constructions of our time.

The 'iscande Mountains rise up bold and precipitous, almost perpendiculariy from lar coast; the gorge of canyon, through esa bolng the only one by which the line can in that direction reach its destination. For some time it way feared that the lightest consistent of the state of the lightest consistence of the state of the destination of the state of the state of the forty mills from Bits last the Hornstheo full survey of the sast branch it has been found that a grade may be obtained of for fort state of write of a solution of the state of second from a level rest of about three-quarkers of a mill that become of the state of a solution of the assumed onst the state of the state of the state of the large of the state of the state of the large of the state of the state of the second of the state of the state of the three quarkers of a mill in the avent of the grade. A division of the assumed onst the state of state of the s

## THUNDER BAY TO RED RIVER.

THUNDER BAY TO RED RIVER.
Miles. Per Miles.   Very casy. 170 $\dots \mu \{13,000 = 32,550,000$ Basy. 90 $\dots \lambda \epsilon 20,000 = 1,000,000$ Heavy. 90 $\dots \lambda \epsilon 37,000 = 4,440,000$ Very beavy. 23 $\dots \lambda \epsilon \delta 30,000 = 2,660,000$
Total \$13 Total \$11,430,000 Or, say, \$28,000 per mile.
RED RIVER TO LIVINGSTONE.
Miles. Per Mile. Very sasy. 200
Toial 271 \$4,420,000 Or, say, 116,300 per mile
LIVINGSTORS TO EDMONTON.
Miles. Per Mile. Very easy 200at315.000 = \$4,500.000 Basy
Total 516 \$9,772,000 Or, say, \$19,000 per mile.
SDMONTON TO YELLOW HEAD PASS-
$\begin{array}{llllllllllllllllllllllllllllllllllll$
Total . 283 Or, say, \$19,000 per mile.
YELLOW HEAD PASS TO STEWART RIVES.
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Total 230 \$5,335,000 Or, say, \$29,500 per milo.
STEWART RIVER TO BUTE INLET.
Miles. Per Mile.
$\begin{array}{llllllllllllllllllllllllllllllllllll$
Total 235 Total \$15,420,000 Or, say, \$46,530 per mile.
SUMMARY.
Thunder Bay to Red Rivet. \$11,490,00 Red River to Lavingstone
Total \$50,378,000
Or Miles.   Very easy
Total \$30,076,000

YEAR BOOK AND ALMANAC OF CANADA FOR 1817.

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