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PAPERS READ BEFORE TIE BHITISII ASSOK:TATION FOR TILE ADVANCEME: * OF scariness.*
I.
"ON the Proposed Railway Communication between the Athatie and I'ucilie Oceans, throngla the British 'Territories of North America," by Mr. Doull.-I will advert to Mr. Asa Whither's project for the construction of a railway from Lake Michigan to the Pacilie, through the territory of the United States, which has deservedly attracted considerable afterton in England. It is quite clear, that in the piper read before the Royal Geographical Society, on the 9th of June, 1851, Mr. Whitney has injured bis cause in the estimation of the British public, by taking too wide is range, by claiming for his proposed line the whole of the rathe between Europe and China, and the islands of the North and South Pacific Oceans, discarding alike the existing routes by the Isthmus of Suez, the Cape of Good Hope, and Cape Horns, and by asserting that, should the Isthmus of Panama be swept from its position, and a complete muon of the two seas be efffleeted, the commerce between Finrope and the rest of the world would not low to may appreciable extent through that chanel, bat would be attracted to his proposed line of railway communication. Iliad Mr. Whitney havel his project upon its own intrinsic and legitimate merits and resources, charimerized it ans a mere local lines or, at most, a United States line, and not designated it as the highway and the only highway of nations, it would have assumed more of a bonn five :and practical character : and it is quite clear that MIr. Whitey conk mallard thus to uarrow the operations of his project, as it is evident that, if :a belt of hand thingy miles on ate side of a line of railway is colonied, and loronght into profitable enl ivaton (which smposition is the basis upon which the success of this project rests), abundant rathe would be created to work the line, keep it in repair, and to turnislo a sinking lind for reword. The project. When divested of all extraneous and alventiabos ciremonstances, appears to be nothing more than this: there has existed for a considerable time, and there still exists, a continuous tide of emigre-

[^0]timon setting to the west, but with its frontage extending from the boundary of the British provinces on the north to the (inf of Darien on the south. Mr. Whitney, conceiving it desirable to reach the Paeilie an soon as possible, proposes es to converge the present extended frontage of location to a belt of land sixty miles in extent, and this to accelerate the westward tendency in proportion to the frontage than narrowed. In order to change this direction by drawing a suitfiedent member of settlers into this proposed sixty-mile belt, he must hold out advantages superior to those which can he obtained elsewhere. 'The project, so far as it has been developed, appears to be totally destine of any systematic arrangroment for the location if settlers, or for their government, civil or municipal. Nor hats any thing been said about the mode in which the numerous and hostile tribes of Indians are to be disposed of. Mr. Whitney, not being an engineer, does not appear to apprehend much dalicully in rooming his railway eros the Rocky Mountains; which he admits to be about seven thousand feet high, and so flat on the top as to preclude the possihility of a tame of amy reasonable length. 'Io rise 7000 feet by at gradient of I in 100, would require tailing out for a distance of 132 miles, or with a gradecent of 1 in 50 , equal to a distance of 66. But suppose that the base of the Rocky Mountains is placed upon an che cation of 11100 feet above the level of the seat, leasing tinder feet to be wereome by an ascending gradient, which would regive, at 1 in 1015, a distance of 112 miles, and 1 in 50, 56 tiles. It is seared possible, however, to suppose tr e gradients of the above character cord be stained in passfug this somewhat formidable mountain range, ats it is highly probable that the areeret is much mare abrupt shan to admit of wren the sternest of the above grabdents to he constricted. It is mincessars for do more than advert to the more prominent dentures of Mr. Whitney's plain: and that simply in order to show
 the construction ot' a lime of railway in tho Heritmiter of British Norm America, and to prevertit the public mind of lingland from lowing led 10 suppose that the ronde through the United states is the only pracideable one. 'The superiority
of the British line, not only with rosperet to facilitios of censtruetion, but with refercolec to the greater varidy and the more extensise tields of prodiactive labor which will be orened out in the varions rids minemal districts pasend thromerh, is so palpable to all who have turned their attention to this important subjert, as to force itself upon the attention of the American press. The New York 'Tribume of March 27, 1851, after adverting to Mr. Whitnoy's project, and expresesing fears that it wondid fial of neecting that support from the Congress of the United Ntittes which its importance deserved, procededs to state that " the route throngh British amerie: is in some respects even preferable to that through our own teritory. By the former, the divatace from Einope to A sia is some thonsind miles shorter than by the latter. Pasing elose to the northern shore of lake Superior, traversing the water-shed which divides the streams flowing towards the Aretic sea from those which have their exit sonthward, and reossing the Rocky Monntains at an elevations ame 3000 feet less than at the south pass, the road eondd here be constructid with eomparative dheapmeses, and would opan poon a rewrion abomaling in valuable timber and other natumal products, and admirably suited to the grow th of grain and on grazing. Dasing fis Athatie seapert at Italifins, and its Pacilie depot near Vancomser's | Wand, it wonld inevitalbly draw to it the cotnmeree of Einroper, $A$ sia, and the United States. 'Thus, British Amerieit, from a mere colonial depenteney, would assume a controllingr rank in the word. To her other nations would be tributary: and in vain would the United states attempt to be her rival, for we cond never dippute with her the possession of the Asitatic commeree, or the power which that ronfers." 'Ihe advantages of a communieation from the Athantie to the Pacilic in a northery latiande, to connect the great commereial nations of the world, which are prineipally situated on the morthern heminphere, wats early felt by several nattions, and great, thongh unawailing, offorts have been made to diseover a liothwest passare through the Aretie Regions. Inalifis, in Nova Sootia, will possess considerable adsamtiges over New York, in the United Stater, as the

Allantic terminus of a railway communieation across the eombinent of Ameritas, inammuch as a line datwo from Cape Chenr, in lreland, to New York would pass very close to Malifix, and thas the whole of the eossting distance of the nea-pasmage from Ilalifax to New York would be sived. Ihte mujport of the Govermment to the llalifix and Quebee Railway was not rendered with that promptitude which was antieppated, considering the fivorable report of its own oflicers, conseguently the operations of the association have been delayed. But the lmuerial Govermment has now come forward with the ofler of every neves sary assistance for the construction of a railway from Ilalifins to Quebee or Montreal, and which the colonies will be happy to aceept. So fiar, therefore, as the present paper is concerned, the construction of this initial portion-abont neven handred miles-ol the great Atlantic and Pacilie Railway may be considered as amply provided for. Tho passabre of the Roeky Nomntains is doubtless a point of considemble insportanee, and one now which it must be admitted there is no data for the formation of any definite plati. All anthoribies. however, concur in viewing this burrier as muels less tormidable on the British than on the United Stites terraory. Hasing crossed the Roeliy Mommains, cither by asemding to the smmmit upon lateral spurs, or passing through by a lumbel, as circmustaneres might dermine, the line would mke the direction of Fraser's River, to the lacific Ocean. Numerous and spacious harbors, whh secure anchorage, and a rare combination of maritime advantages, in the vicinity of Vanconver's Island, with an ahme dant supply of coal, point to this locality as the site of the future capital of the West.

Mr. Asa Whitney explained at gratat length the steps already taken by him for inducing the States to support his plans for forming his line on the United Sintes territory, from New York to Columbia River, and showed that, to a cortain extent, he accorded with the views of Mr. Doull ; as, in case of his own plan not being adopted by Congress, he was prepared to make a similar proposition for ruming his line on the British territory. Caphain Fitz Roy, R. N., ably suppoted Mr. Whimey's views, demonstrating that
communiI' Americo, trom Ciape ork would id thus the nee of the New York wort of the nd Quebee with that paited, conof its own crations of :yed. But now come very mex. uetion of a re or Monwill be erefure, :1s d, the con-ion-:about great At. ay be confor. The untains is lerable intch it must for the forAll :alln) viewing nidable on ited statess the Rocky ing to thie or paissing sumstamerros Id take the the Pacitic us hartors, rare combs, in the viith an abull; locality as thu West. d at great by him for $t$ his plans ited stat's , Columbia certain © x ws of Mr. a plan unt e was preoosition for b territory. y suppoited trating that
there was not any serions engineering difficuties to be overcome-that the reason why the plan haid not been tuken up Warmly by the States, was emirely political, and that the slavery question matorially interfered with it. Mr. Muyley raised the question of the impediments ariving from show and frost on any line of railway during the winter. Mr. Whatbey's line passed from 120 to 460 of lanitude, wherens the Camudian line wonld pmass mearly at 500 . 'The further the line promeded north the less obstruction there would be from snow. If there was little meinsure there must be little snow, and that very light-thore was more snow in a souhhern latitude. Single line, with 64ilh. rail, 15,000 dollars per mile. Mr. Doull, in reply, remarked that emigrants going to Canada conld find mothing to do,

- inil some lelt for the States, where they fonnd cmployment, and were soon indepembert. The principal intention of the papar is to draw attention to this very nurn nulouss state of things, and to open out public works for the encouragenent of emigrants from Great Britain to settle int the Briish territories instead of the United States.



[^0]:    * From the flagon l'rictical Mechanic.

