

PORT

THE TOBONTO WORLD

JANUARY 16 1904

exception of the Devil's Ridge, previ

Official Report on the Capacity REPORT OF HENRY of the Harbor and its Suitability as a Terminus for a **Trans-Continental Railway.**

The Railway Must Terminate at Port Simpson, as There is No Other trance is from the west between Birnle defined, on 27th June, 1879, for the northern on 27th June, 1879, for the northern on 27th June, 1879, for the northern on sessing a building area of sufficient ex-Sea Port Eligible--Port Essington south about a mile distant. Many of future. and Wark Channel Not Suitable.

Capt. Brundige, an Expert, Pronounces it Equal to the the N. W. Westerly winds would sweep with considerable force across Finest Harbors in the United Kingdom--Mr. H. J. the harbor, but would not be accom-Cambie, Chief Engineer C. P. R Pacific Division, the function of the Hudson's Bay Co., who lived the bad long in the weather beam of the bad long in the b Makes Favorable Report on Harbor and Skeena experience on the coast, considers it a generally direct, is very irregular, ance, since which time, and up to date of strait to sail up in good soundings, 25, **River Route.**

men and supplies were landed at chart to be only about three and uth- Port Essington on the 5th and the half miles distant, while in reality it is teamer was then placed at our disposal little, if anything, short of eight miles for the examination of Port Simpson distant. This is a matter of some imand the Wark Inlet. Sandford Metlahkatlah, where we had the advice shown, a battery placed there by the soundings being obtainable except with- would be encountered in its construcof the and assistance of Mr. Duncan, the Government of the United States could in a short distance of the entrance to tion. A depression through which the Church of England missionary, in en- prevent vessels entering or leaving the harbor. take us up the Skeena, where we an- Wark Inlet is easily approached, the entrance and up to the head of through to Wark Inlet. chored for the night trance is 1,500 or 2,000 feet wide; a

METLAHKATLAH. This is a poor harbor for large ves- mile farther in, it narrows to about els, the channel being narrow and tor- 1000 feet, but soon opens out again, and

tuous, and the inner part is so small then averages one mile in width all the nora out a very limited amount immodation. It is, however, ad-adapted for the use of canoes, it de, which causes a swift current in as to afford but a very limited amount way to its head. commodation. It is, however, ad- There is an 18 feet rise and fall of form in land-locked channels by which the sign of eddles, though we passed depth is 25 fathoms, so that we found and connected with a number of the narrow entrance: but we saw no depth is 25 fathoms, so that we found and connected with a number of the narrow entrance: but we saw no depth is 25 fathoms, so that we found and connected with a number of the narrow entrance: but we saw no depth is 25 fathoms, so that we found and connected with a number of the narrow entrance: but we saw no depth is 25 fathoms, so that we found and connected with a number of the narrow entrance: but we saw no depth is 25 fathoms, so that we found and connected with a number of the same depth is 25 fathoms, so that we found and connected with a number of the same depth is 25 fathoms, so that we found and connected with a number of the same depth is 25 fathoms, so that we found and connected with a number of the same depth is 25 fathoms, so that we found and connected with a number of the same depth is 25 fathoms, so that we found and connected with a number of the same depth is 25 fathoms, so that we found and connected with a number of the same depth is 25 fathoms, so that we found and connected with a number of the same depth is 25 fathoms, so that we found and connected with a number of the same depth is 25 fathoms, so that we found and connected with a number of the same depth is 25 fathoms, so that we found and connected with a number of the same depth is 25 fathoms, so that we found and connected with a number of the same depth is 25 fathoms, so that we found and connected with a number of the same depth is 25 fathoms, so that we found and connected with a number of the same depth is 25 fathoms, so that we found and connected with a number of the same depth is 25 fathoms, so that we found and connected with a number of the same depth is 25 fathoms, so that we found and connected with a number of the same depth is 25 fathoms, so that we found and connected with a number of the same depth is 25 fathoms, so that we found and conne the provide the open sea. the op they do, detailed information facing the open sea

The following morning we got under We tried a few soundings and

A. F. MACLEOD

age of over four square miles. It is heltered to the north and west by the fores and outlying islands, but is ex osed in part to the S. W. wind; the sea, however, is broken by a reef or celp bed forming a natural breakwater, but which does not prevent the

chorage left. tide by the southern entrance, after waiting for an hour she passed out by

but not exceeding 2,000 feet in width, od, and is shelterbluffs forming the shores W. round by south to side.

In the extension of the line fro initial point at the head of Wark Inlet group. northward to Port Simpson, some 32 Captain Brundige prosecuted his surery fine harbor. He says the most sharp indentations are frequent, varied his report, 12th March, 1880, he has 40 and 70 fathoms. As they sail up they prevalent gales are from the S. E. in by projecting points of either rock or been engaged in making further sound- can enter Ogden, Eddy or Brown's summer and from the N. E. in winter. broken rockyside hill in profile vary- ings in Port Simpson, tidal measure* Passages, either of which is superior The ground is not high around the ing from slopes one, one and a half and ments and full weather observations for to San Juan, having very little current shores and is sufficiently even for the two to one. Although the tide rises the months of November, December, and no fog, the currents being the regsite of a large town.

The approach from the rather to the south of the track taken almost entirely in cutting, which will as showing the character of the winter the west of Queen Charlotte's Islands known as the Pointers are ment, and the line must therefore be put portance, for it is the southern extrem- by vessels from the ocean, and can be be heavy and through very expensive ufilized as sites for light-houses, to material, as I fancy little but solid rock ish Columbia. The following notes are land, as I see the Naval officers of the line can be carried without difficulty On leaving Port Simpson we sailed to runs from the harbor of Port Simpson River Skeena, about eleven miles from codfish. This bank is just to the north

there being plenty of searoom; the en- Wark Inlet. The mouth of the inlet is The head of the inlet cannot be con- about four miles long and two wide, doubt that it extends south. narrow and deep, and the current with ebb tide was about four miles an hour. The width increases inside from one to considerable; near the entrance the ists only at the extreme, end, and is of rise and fall 20 feet, and the neaps 15 mation, to have them corrected. I feel

as it is connected with a number of the narrow entrance: but we saw no don't it is connected with a number of the narrow entrance: but we saw no don't is connected with a number of the narrow entrance: but we saw no don't is connected with a number of the narrow entrance: but we saw no don't is connected with a number of the narrow entrance: but we saw no don't is connected with a number of the narrow entrance: but we saw no don't is connected with a number of the narrow entrance: but we saw no don't is connected with a number of the narrow entrance: but we saw no don't is connected with a number of the narrow entrance: but we saw no don't is connected with a number of the narrow entrance is the narrow when it had a velocity of, perhaps, four ace. About three miles from the entrance buoys would have to be provided, and I ascertained from several traders is also Port Simpson.

there is a low pass to Port Simpson be- no vessel could approach her anchor- and others who had been in this locality h at 38 fathoms, about four tween the hills-thence, going south- age under sail with safety.

onsequent upon such an important se- REPORT OF The area of the harbor is sufficient for the purpose, possessing an anchor

> ously described, which only requires a on one of the Finest Har- bell buoy to guide the mariner. Currents, no Serious Obstructions Entrance to Port Simpson on a dark night, as it is, than the North Channel to Navigation,

SIMPSON

thru the Mull of Cantire and its cur From pages 153, 154, 156, 157, 158, rents, or St. George's Channel from 159, 160 of Government report, 1880, that direction, and would possibly headed "Notes on an examination of the Tuskar Light to the Mull of Gal prove awkward for vessels exposed to the harbors and northern coast of way, with all the lights and fog signals its full force, but there is still a com- British Columbia, by Captain J. C. and I fail to see on what grounds the arbor of Port Simpson at low paratively large area of sheltered an. Brundige, dated Port Simpson, 12th Naval officers, founded the views set forth in their report, namely, "That

Captain Brundige, in accordance Rose Spit would always be a large gradually, easy of approach and suit-

able for extensive wharfage, and pos- Engineer-in-Chief, sailed from Victoria nel." Island and extensive reefs lying to the tent to meet any requirements of the the mouth of the Skeena on the 13th rocks on any shore, is not the proper July, and proceeded at once to make position for any vessel. No ship-may The entrance to Wark Inlet from the careful examination of the several ter who knows his duty would run his Portland Channel, some eight miles harbors and coast line of the northern vessel on the shoal water rm a good breakwater to the wide at this point, is easy of approach, portion of the province, with the several when there exists a channel twentyapproaches from the sea, embracing a four miles wide, free from shoals or with deep water to the base of the thorough examination of the Dixon En- other dangers, in which the either trance to the north of Queen Char- regular ebb and flow.

lotte's Islands, and also the approach Ships coming from the m my from the Pacific southward of this west can make Cape St. James in Safety, just as ships make Cape Clear on entering St. George's or Bristol a trans-Con

January, February and the first part ular ebb and flow and fails some 18 feet there is no mar-gin or beach available for the embank-published herewith, are of great interest surveyed, soundings would be found to nonths on the northern coasts of Brit- to guide the mariner in approaching the

PORT ESSINGTON.

Port Essington is situated on the the mouth. Here there is a large basin

This whole coast requires to be terminus; even as a temporary one it minddy bottom. Tide runs out from veyed and re-chartered, as none of the has many disadvantages. The area of five to six knots per hour, and up from charts are correct. It would not be med at 30 fathoms, ext three to four knots. The spring tides much expense, with the present infor-

for many years, that during the months

It is easy of access by the Dixon highest sea in the harbor was 9 in Channel, which is ten miles in width at the tide pole, which is placed at the CAPT. BRUNDIGE at the narrowest part. I consider this most exposed part of the harbor.

I would rather run thru Dixon SIR SANDFORD FLEMING

ON THE PROPOSED CONSTRUCTIO OF ANOTHER TRANSCONTINEN-TAL RAILWAY. - THE ROUTE FAVORED BY CANADA'S NOTED ENGINEER.

at Prospect of Early Construction of Line He Favored a Quarter of a Century Ago

railway which have been los he to lengthen the whole line and un and almost certainly give it features which would forever be regarded as United States report finding a bank to the west of Prince of Wales' Island, of a new national railway, it sho Alaska, on which they caught some fine

> Port Simpson on the Pa what I know of the general of the intervening dist line, with splendid engin It would pass away to the north of the rugged shore of Lakes Huron. ior, Nipigon and Winnipeg, thru a vast region reported generally of alluvtal soil, with an abun and water.

First-The Quebec br I was reliably informed at Port gress. That structure I have always se, the wharfing of December, January, February, and Essington that the months of June, July favored, but it would have been a l

with the Intercolonial, as well as with

with a junction with these railways ac-

Second-the greater part of the vast

territory to be traversed is the natural

table substance the unoccupied regions

tinent-perhaps in the whole world.

I have already expressed my doubte

as to the wisdom or expediency of

tablish a new trans-Continental rail-

way. I regard the shortest line obtain-

able between the tide waters of the

two oceans as quite long enough. For

that and other cogent reasons I would

advocate the most favorable route

which can be had between the Port of

Quebec and Port Simpson for a new,

Dominion Grand Trunk line, and at the

seems to me that there is ample room

for the new railway. It would in no

velopment of the railway system of Canada. I am satisfied that it is possible to establish a splendid national

for ranching the rich plains of the

ich the new line might

the Peace River and Edmonton dis-triets, now proposed to be traversed by the Grand Trunk Pacific and Trans Canada Railway, from Quebec D Port Simison. In his introduction to these reports Sir Sandard Floring contraction to the server and the tide being out, had an hours and, the tide being out, h

District, on the eastern side of the it will be seen that within the southern able for a townsite is very limited, the mountains, and thence to the line al- part of the harbor, protected by this hills rising abruptly from the shore on reef from the ocean swell, there is an area of about one-half mile by two. area of about one-half mile by two. ready located near Edmonton; to gain full information with regard to Port Simpson, its advantages and disadvant-

ages as a harbor: to verify the reports about three-quarters of a mile square. in width. These, with the land-locked bay east If it should at any time be deter as to Wark Inlet being navigable by of Finlayson's Island, afford about five mined to build a line of railway by the ocean sailing ships; to ascertain how miles of water frontage on the main- valley of the Skeena to Port Simpson, far the country lying between the head land, besides a large extent on the sur- the head of Wark Inlet could be used

of that sheet of water and the River rounding islands. as a temporary terminus; but the ac-Skeena and the Valley of the Skeena The islands and reefs which inclose commodation both for railway and itself were suitable for a railway line; the harbor being low, vessels would shipping would be very much contractnot be protected from wind should it ed.

and to obtain such definite information blow a gale from the west. This, in In extending such a line down the respecting the nature of a portion of the case of small sloops, such as those T'Simpsean Peninsula to Port Simpson, Sandford Fleming, Esq., C. M. G., Enthe line accessible to steamers from which now trade along the coast, might it would have to follow closely by the

the ocean, as would admit of a con- cause inconvenience, but large vessels shore of Wark Inlet, and as the hills gineer-in-Chief, may be considered safe when in calm rise directly from the water's edge at Dear Sir, In accordance with the tract for construction being at once let, may be considered safe when in the slopes of one in two or one in three, substance of your instructions, my

to any part of the port with ease.

summits.

tract for construction being at once let, in the event of a northern foute being chosen. "This examination really involved the determination of the problem whether in the water's edge and are well adapted for the site of a city. The shores of port Simpson, and is the the problem whether in the solution of the problem whether in the choice of the Burrard Inlet route should be sustained or abandoned; and if construction should be immediately if construction should be immedi should be sustained of abalanced and in the four miles above referred to, many inter-if construction should be immediately if construction should be immediately commenced on the southern or on a northern line. This has been the most severe winter is most favorably situated. This has been the most severe winter there are also some snow-slides to be period there were only four parts of days and nights in which it would have been impossible to see to navigate ves-through the channel by which we en-

ports, are given in full in the appen- on other rocks and points nearer the on the River Skeena. dix."

KXXXXXXX

Railway.

officer who conducted the survey of ations, the following conclusions may on the 5th. Mr. H. J. Cambie, now chief engineer chief of the party of engineers employ-

interesting report, made to Sir Sand-On page 297, of the same report, in though more circuitous routes are avail-Wark Inlet.

pages, 38, 39, 40 and 55:

piorations made, during the Summer of

Messrs, Macleod, Keefer, Gordon and around to Wark Inlet.

Admiralty Charts, but the channel it- northern one.

Port Simpson's Good Harbor and

Terminus-Good Route Up the Skeena. construction. New Westminster, B.C.,

January 23, 1880.

REPORT OF REV.

"The service was consequently one of importance. The instructions to the of-ficers selected, together with their re-southern points of Alaska, as well as leading to Dean's Canal, Bute Inlet or

son would be in every way suited for of country extending across to Wark the terminus of the Canadian Pacific Inlet, so that a line could be brought is as safe as it is accessible. Facing of the water was found to be off Rose to the terminus of the Canadian Pacific Inlet, so that a line could be brought is as safe as it is accessible. Facing of the water was found to fany railway yet conwith Messrs. Cambie and McLeod, I the west it has two approaches—Dodd Spit 50 deg., and off North Cape 54 tirely were the residents unprepared for such unprecedented weather, that Continent, and with general engineer-

Mr. H. J. Camble, now chief engineer of the C.P.R. Pacific Division, was of the C.P.R. Pacific Divisio question 25, he describes Port Simp- Simpson via the Rivers Skeena, Babine, at the mouth of the Skeena, and about ity of the harbor, there is a choked four parts of days of rain and a lit. although not very great, has continued where such are not now possible. In ed to make the examination, and the son as the "finest harbor north of Driftwood, Omenica and Finlay to the nine miles below the southern or Skee- passage not fit for any navigation, save the fog, the wind light and variable; on the ground longer than known be- the far North-West it would open up following extracts are taken from his Beaver Harbor in Vancouver Island." Peace River Pass; and that some other, na entrance to the divide, leading to that of conces or other light craft, this is the most even climate I was fore.

interesting report, made to Sir Stude ford Fleming, under date of New ford Fleming, under date of New This reef of rocks, though hidden it ever in. Westminster, January 20, 1880, on was found in the temperature of the The Peace River, which is the lowest purpose, an examination of Pert Simp- it serves as a partial breakwater for part of the peninsula, course was S. February, 1878, and at that time flow- seasons. sea at that latitude (Port Simpson) known pass through the Rocky Moun- son and-Wark Inlet was made, and re- any sea that might roll in from the Pa- 50 deg. W. 4.500 feet distant from ers were in bloom in his garden.

a full and exhaustive description of the be set down at not less than three miles Inlet and then across to Port Simpson north and south of us, as well as from

1879, to determine if a northern route could be found by Peace River and the passage, which is a magnificent encould be found by Peace River and the passage, which is a magnificent en-River Skeena, or any of their tributar-trance, being about half a mile wide tion is much greater than that by the River Skeena, or any of their tributar-River Skeena, or any of their tributar-les to Port Simpson on the coart of British Columbia. THE SNOW-FALL AT PORT SIMP-would be 605, and across the Atlantic proach known as Inskip Passage, but be works in passing the west, especially through the ap-proach known as Inskip Passage, but be confining myself more particularly be to Port Simpson on the coart of British Columbia. lighter. A favorable line can be found to the portion covered by my trial lo- quarter. Finlayson Island and the Dun- there is no anchorage, in any part of it, tion gathered respecting other winters less, the total saving on the whole disfrom the valley of the Skeena via the cation.

myself left Ottawa on May 12th and reached Victoria, British Columbia, on A nautical survey of the coast of Watsonquah River, Fraser Lake and As all nautical authorities have the 24th, Dr. G. M. Dawson of the Northern British Columbia was mide Fort McLead to connect with this pass, agreed upon the advantages of Port the northeast, east or southeast (the Geological Survey, and Mr. Horetzky, by Commander Pender, and no doubt but such a line would be very circuit. Simpson over any existing harbors on prevailing quarters for high winds in having joined us at San Francisco on the entrance is correctly placed on the ous and many miles longer than the the northern coast, there only remains this locality) can scarcely have any in-H. J. CAMBIE. Clittes of its land approaches, to deter-defended on these sides by the high proaches from the Pacific Ocean, I Admiralty Charts, but the channel is in-We spent ten days in Victoria mak-We spent ten days in Victoria mak-self has not been surveyed, and is in-SANDFORD FLEMING, ESQ., C.M.G., wine whether it may be considered as surrounding land. The anchorage is re-lighted Kingdom of Carat Portion and Sonon in Canadian surrounding land. The anchorage is reing preparations, and on June 3rd sail-ed northward in the Hudson Bay Com-pany's steamer "Princess Louise." SANDFORD FLEMING, ESQ., C.M.G., mine whether it that is the contributed as an important ported by Captain Lewis to be excel-ported by Captain Lewis to be excel-intrance and would appear from the intrance and would appear from the intrance and would appear from the ported by Captain Lewis to be excel-intrance and would appear from the intrance intra

tember, October and November there is quarter of a century ago. The Quebeo fog, similar to the northwest coast of the Grand Trunk Railway, and along

hours and, the tide being out, had in page (, says: "The objects of the examination route from the coast to the Peace River District, on the eastern side of the District on the coast to the Peace River Courte from the coast courte from the coast to the Peace River Cour During December, January and Feb- cess and egress to and from Atlantic Port Simpson is the most northern ruary, strong gales, cold and frost, rain points at all seasons longitude 130 deg., 23 min. W. It em- main long on the ground. It is unusual pass between Quebec and and Port braces over four square miles of for the thermometer to fail below zero. Simpson is woodland, and we have tobe assumed as demonstrating the en- water, from four to twenty fathoms March, April and May comprise the day a new value to the timber, which tire feasibility of this portion of the deep, with muddy bottom and good principal rainy season at Port Essing- was undreamed of 25 years ago. The river Skeena as a practical route for holding ground, and free from rocks ton, but, strange to say, the climate a rallway. Work on the Skeena proper and shoals. It possesses great facil- varies very much, for ten to fifteen home of pulp wood, and in this vegeis not excessively heavy, the cost being ities for dockage, as the four-fathom miles off it is quite different. more owing to the nature of the ma- water is found close to the banks., It I again visited the Skeena during the of Quebec and Ontario have an inex-

CLIMATE.

A. KEEFER terial than from any great excess of is easy of access from sea, having no latter part of December, and found hausting ready for harvesting. quantities. The tributaries crossed are current tide, but merely rise and fail, large quantities of ice drifting up and A crop of perennial character, easily bridged and in all cases have well sheltered from all winds except down the river. Ships could not remain in extent, I venture to say, is unsur from the west, which here seldom at Port Essington during the months of passed in the North American Conbut a slight depth of water. With the entrance to the "divide" blows. The prevailing winds are south-blows. The prevailing

Good Site for a City_Wark Inlet and extension to Port Simpson the west and northwest, from the effects March, and well into April. The north Not Suitable for a Railway work becomes rather formidable, but of which the harbor is so well pro- channel of the Skeena is blocked full of with nothing exceptionally difficult in tected that a little dingy boat can be ice nearly all winter, but it seldom proceeding in a haphazard way to esrowed over it with safety in all sea- reaches down as far as Kennedy Island. sons of the year. Ships could lie Port Fleming is free from ice: alongside of docks at all times, and I also visited Essington during the month of February for several days, would require no towage either in en-

tering or going to sea. tering or going to sea. From accurate measuremen's made about 6 feet on the level. I measured D. M. GORDON thru a period of three, months the the snow at several places and found

rise and fall of the tides was found to 3 feet at Port Fleming, and 11-2 feet

MR. CAMBLE'S REPORT In this opinion I am partially borne out by Commander Pender, the naval out by Commander Pender, the naval

PORT SIMPSON.

Mr. Hall of the Hudson Bay Com- Peace River and northern British Col-

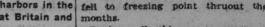
When the day arrives to sin and that have the honor to submit the and at Vancouver," and mentions this tains, offers a wonderfully favorable turning to Port Essington, I joined my cific, while Birnie Island completes the water to water, summit about 60 feet. The extremely severe weather of the railway as a thru route it will be Sir,—I have the honor to submit the following report on the survey and ex-following report given following report given follow route via San Francisco and New the interior, such weather has never York. From Yokohama to Liverpool the passage across the Pacific Ocean

das Islands protect it to the south- except the, little bay opposite Port the average MAXIMUM IS NOT stance would be about 1423 statute

it never remains more than a day or Regarded simply from a Canadian standpoint. I cannot conceive any pub-After having made a thorough ex- The mean temperature of the water lic undertaking that would

amination of Port Simpson and its ap- in the harbor was 34 deg. during Demeet the wants of the new Don history been brought up for serious

During all this seven months the



two.

