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### REPORT

ON THE

# DTTAWA AND PONTIAC

### COLONIZATION ROADS.

Part of Appendix No. 25, to the Report of the Commissioner of Croton Fands, for 1861.



QUEBEC: PRINTED BY HUNTER, ROSE & LEMIEUX, ST. URSULE STREET. 1862.

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### REPORT

ON THE

## Ottawa and Pontiac Colonization Roads.

#### CHOWN TIMBER OFFICE, Ottawa, 27th Murch, 1862.

Sir,-I should have had the honor, at an earlier date, of reporting on the progress list seasons works on the Colonization Roads in the Counties of Ottawa and Pontiac, insted to my charge, had it not been that the unavoidably late commencement of some the works carried them far into the winter ; and that unexpected difficulties in compila-, and other causes beyond my control delayed the preparation of such a map of the many north of the Ottawa, as seemed necessary to shew in a satisfactory manner the als forming the subject of report and the surveyed Townships they are designed to d to, or through which they pass.

The works to be reported upon arc of two classes; the works performed under the appriation of \$10,000 for the Counties of Ottawa and Pontiae for the year 1861, and those e in expenditure of the remaining appropriations of former years.

The works under the appropriations for the year 1861 consist of-

lst. The making of ten miles of the Gatineau and Coulonge road in the township of

2nd. The improvement of the Thorne road, and the unking of three miles in continion of it, leading to the Gatineau and Coulonge road, in the township of Leslie.

3rd. The building and repair of bridges on the Gatineau and Desert Road.

The works under remaining appropriations of former years are-lst. The opening of the Onslow and Masham road.

Ind. The improvement of the front road in the lower part of Pontiae.

3rd. The opening of the Eardly and Masham road.

4th. Works on the front road in the upper part of the County of Pontiac.

The Gatineau and Coulonge road was originally projected, and traced in the field by esses. Bouchette and Aylen, from the Puagan Falls on the river Gatineau, about thirtymiles above its mouth, to the settlements on the Ottawa at the mouth of the river oulonge, a distance of forty-nine miles; passing successively through the central part of e township of Low, the front of Cawood, generally along the line between Leslie and home, along the rear of Litchfield and through the south-cast corner of Mansfield.

Tue ten miles of it contracted for, and very nearly completed, extend from the main ad on the Gatineau into the last range of the township of Low. It is the most importhe orbital into the line, not only because it passes through the best land upon it, but to because it gives access to the road line traced northward from the river Pêche in Isham, along the rear ranges of the townships of Low and Aylwin, to the river Pick-neck in the township of Wright, which passes through the greatest extent of land gener-ly admitting of settlement that there is in the lower part of the valley of the Gatinesw.

The intersection of these two roads therefore forms a point from which settlement mads could most advantageously be opened extending northward, southward and westward, will be further explained in proposing the works most immediately serviceable for the muing season. The greater usefulness in this manner of the first part of the Gatineau d Ceulenge road became a reason for making it in a more thorough manner than might e necessary in the case of a less important road.

The part of this road contracted for and nearly completed is done according to accompanying specification which I prepared, after many years experience, as the beer obtaining a good road economically, as regards labor and expense, where the means n able did not admit of a first class earth road heing constructed. It is opened 21 fer width, the roots and stones thoroughly grabbed out of ten feet in breadth of the ca (practically much wider in all the dimensions), and crowned to the width of sixteen with a sufficient rise in the centre; with culverts, ditches and discharging drains, a The causeways are laid sixteen feet wide, hewn or covered with earth. bridges are built in the most substantial nunner with covering eighteen for

Tenders were received for the work on the 26th day of August, after extensive pa advertisements, and it was let to the party making the lowest tender, at the following the viz. : causewaying \$3; bridging, from three to seven feet high, \$10 per rod; bridgeseven feet high, one-seventh additional to the foregoing for every additional foot in her ditching three feet wide by two deep where required, apart from the ordinary water a 60 cents per rod; and for all other work taken together, that is, for grubbing, crow and draining, including side cuttings (not measuring in the bridges and causeways, so rod; extra excavation, 20 cents for earth and \$1.10 for rock, per cubic yard.

Of the ten miles contracted for, two and a quarter miles remain to be crowned a the necessary culverts and a little causewaying; it is all grubbed out except sixteen as and there is one bridge 104 feet in length by 12 in greatest height, not yet built, bata

There are 581 rods of bridging done, varying from four to fourteen fect in here ipcluding one bridge of 210 feet long by 131 feet high, another of 117 feet by 101 feet high, one of 81 feet by 91 high, and 348 feet in length of substantial wharving in the la of Stag Creek, solidly filled, and from eight to 10 feet in height. Of cause waying there 172 rods, and 135 rods of extra ditching; and although there is very little stony or rel ground, there are many extensive side hill cuttings from three to five feet in depth

My accounts to 31st December last, exhibit payments to W. A. Richardson, the contractor, for work performed on this road, amounting to \$3,776.08. The further performed on this road, amounting to \$3,776.08. ment to be made for the completing of work under contract (part of which has since le paid) will amount to about \$900 more, to which should be added \$100 for half a mile of wat not yet contracted for, desirable to be done. The final cost will be rather low for the

Considering the generally rugged character of the Gatineau country, it is remarkable that this portion of the Gatineau and Conlonge road, extending usarly to eleven miles for the Gatineau passes through a tract of country nearly altogether arable, and very free from rocks or stones, the soil of the first part of it being generally a clay loan of the riches kind, and the latter part warm and fortile, though in parts rather light and sandy; and connected with it on each side there are several irregular blocks of land very favorable for

the formation of settlements which will open into this piece of road. The next eleven and a half miles of the road line passes through land of an infene quality, one-half of it only on an average on the line being fit for settlement, but at a mile and a half south of the line, three-quarters of it may be said to be so. For the next four miles. to the centre line of Thorne, it is of the same inferior description. on the line about me half fit for settlement-north of it about one quatter, and southward from it three quatter

The next eight miles, that is to three and a half miles along the rear of Litchfield, s through land well suited for settlement on both sides, which extends to three miles northward of the rear of Litchfield, much of it is now occupied. This is the best tract on the

Then after becoming inferior for three and a half miles, it winds through the mountain range, where scarcely half of the land is fit for settlement ; and the remaining six mile to

the end of the line, near the mouth of the Coulouge, is generally on a light barren sand The other parts being inferior, it was considered desirable in the first instance to open up only the eight miles in rear of Thorne and Litchfield, most suitable for settlement (which has already made some progress there), and to conrect it with the old settlement of the township of Clarendon, by improving that part of th "oad from Clarendon Centre to

s Lake, which turning nor longe and Pi h apparently having th ent to an in S Coulonge bew that the low to admit in advantage mmienceme

The idea of me and Litel abandoned fo operations of me and the 1

The improve site, was rec It'oulonge rot the northwa es to them fro tte, where the ntry are. It lich skirt the O line of commu Pickanock, w ettlement in th

The road thr township. T is part, the worl cents, requiring tehing, &c., tog e cuttings and ar miles, three 1 enty fect ; twe! ubbed and plou stantial bridge

The total exp ad. is \$1,047.10

Much of the ad required expe harge of Mr. Jan ifficult work for 1 she has also don

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ugh the mountain aing six mile to at barren sand. instance to open le for settlement of old settlement of rendon Centre to

### OTTAWA AND PONTIAC COLONIZATION ROADS.

r bake, which leads northward through the township of Thorne. By doing so, and numing northward from the east part of the rear of Lit "fold, up between the rivers lage and Pickanock, where soveral lumber explorers had reported that there was happarently good hardwood land, it was thought that a great highway could be proed, having the very important advantage of being alike an advantageous road for setsent to an indefinitely large extent, and a very useful inlet for the lumberers on the "Coalonge and Pickanock, whose expenditure for farm produce and team hire would each to encourage and sustain settlement. More recent information, however, tending how that the soil of the seemingly favorable hardwood land, in that direction was too faw to admit of the formation of prosperous settlements, rendered the prospect of formin advantageous extensive settlement road in that direction too doubtful to warrant (commencement of it on the scale originally intended).

The idea of opening the eight miles of the Gatineau and Coulouge road in rear of gme and Litchfield, on the same scale as the ten miles of the cast end of it, was thereestandoned for the present, as it would apparently lead to nothing of importance; and operations of the past season, there, were limited to the works on the road through sme and the making of part of it.

The improvement of the Thorne road, including the making of three miles of it on a rsite, was required to give proper access to the lands on the west end of the Gatineau Robins of the settlements that will gradually beformed on tracts adjoining the northward and eastward. This road is the natural inlet to these tracts, giving esto them from the steamboat landing on the Ottawa and the village of Clarendon atte, where the Crown Land Agent's office and the nearest stores for the supply of the attry are. It affords a good passage through the first range of the Laurontian Hills, kick skirt the Ottawa settlements, and are here met at the rear of Clarendon ; and it is like of communication with the lumbering establishments of Messrs. Gilmour & Co., on elicanock, which together with their roads, have been the chief cause of the extension settlement in this direction.

The road through Thorne is about nino miles in length, from the front to the rear of etowaship. The first five miles pass through the range of hills above mentioned. On is part, the work done consisted in the improvement of long, steep and dangorously rocky cents, requiring in parts excavation, and building up with stone, the removal of rocks, itching, &c., together with 224 feet of most substantial bridging, in three places; with decutings and lovelling of banks, and 300 feet of hewn causewaying. Of the remaining for miles, three miles and three chains of new road were opened, with a width of sixteen to reaty feet; twelve feet wide in the centre of it, well leveited, after being thoroughly mibbed and ploughed. There are considerable cuttings at ascents and side hills, a very distantial bridge sixty feet in length, and 210 feet of hewn causewaying.

The total expenditure made on the road in Thorne, otherwise called the Otter Lake road is \$1,047.10.

Much of the work was of an irregular nature that could not be suitably let by contract ad required experienced skill. It was done by a party of well selected men under the barge of Mr. James McLaren of Portage dn Fort, who had formerly executed some very infealt work for me on the Bytown and Pembroke road, with unusual skill and economy, the has also done in the present instance.

Finding many causeways to be made, and bad rocky hills that would have been very tuensive, on the upper part of the old track, 1 spent two days in exploring and locating de three miles of new road above mentioned instead of it. The site of the new road is as markably good as the other is bad, passes through good land for settlement, which the star does not, and shortens the distance one mile for castward, and two miles for westward frace, on the Gatineau and Coulonge road line, which it intersects at the rear of Thorne. It also there connects with several lumber and settlement roads, which, as the country there becomes generally level with a light dry soil, are remarkably good though opened at line cost.

Within a radians of six miles of the end of this new road, there is much good land for subment though some of it is stony, but unless the existence of some considerable extent of land fit for settlement be definitely ascertained beyond that, nothing of importance can

be done here; and the completion of the road a few miles westward, on a small, seems to be the utmost that could be desired till further conclusive information be dea The building and repair of bridges on the Gatineau and Desert road, is the division of works on which a small expenditure on account of the appropriation of log been made

In the beginning of November last, I made a rapid but careful reconnoissance of road up the Gatineau as far as the river Desert, as formerly proposed, taking the new notes as to the state of the road, soil, surface and obstacles, to enable me to make a proximate estimate of the cost of completing on a moderate scale that very importants

alike for the actilement of the country and the business of it. As the expenditure of a small sum of the appropriation for 1861, for necessary of on the Desert road had Leen proposed, and as some of the bridges were in a dam

state, or required to be built to prevent the obstruction of travel in spring, I let part of works to be done on my way returning. It consisted of four small jobs, viz. : The repair, raising six feet and lengthening to 170 feet of the bridge over lace brook, a little above the Pickanock, let for \$110. The building of a bridge over lace brook, 75 feet in length, let for \$50. One of 90 feet on Carisse's brook for \$50; and

building of a bridge and canseway at St. Amour's brook, 344 feet long, for \$111.25, at

The payments on account of these works charged in my account current to 81st cember last, amount only to \$186, but they have all since been completed and paid

Also the bridge over the river Pickanock, which was built with Colonization most I found on careful examination, required to be raised six feet higher, to prevent its pro ble destruction by spring floods, and to be lengthened to 236 feet by adding 70 feet to

This work has since been let for \$320, completed and paid for with a small reservation. The extension of another bridge, let for \$40, is the last work on the Desert road as in progress.

Earlier in the fall, I visited the Crown Land Agents in the lower part of the County Ottawa, and collected from them and from the lumberers and others best acquainted w the interior, such information, as added to that derived from Surveyors and their return of surveys on record in my office, confirmed my previously expressed opinion that the vale of the Petite Nation river was the most favorable site, next to that of the Gatineau, for the opening of a great highway into the interior country north of the Ottawa, as a Colonizatia road, and that such a road on the east side of the Petite Nation river would pass through much good land for settlement. Having obtained your senction, I immediately instruct Mr. Leduc, of St. André Avelin, to survey such a line of road, up through the townshi of Suffolk, with a view to its further continuance. The result of his survey is highly suit factory, but no expenditure has yet been made in work upon this line of road. I shall ken further notice of it and of the Gatineau and Desert road to the concluding part of the

Of the work of last season, under remaining appropriations of former years, the first

begun was the opening of the Onslow and Masham road, This road commences at the Catholic Church on No. 4 of the 8th range of Unslow.

and extends to No. 28 of the 12th range of that township, where it joins the Masham road at the river Pêche.

It has been opened throughout, from the vicinity of the church, from twelve feet in width to six feet in difficult places, among rocks; the hills are dug and stones removed s as to make it passable for a eart. There are causeways made on it amounting to 2% feet, and a substantial bridge on the outlet of Wolf Lake, 166 feet in length, upwards of ten feet in height, on block work, with hewn covering. The bridge and causeways ree made 18 feet in width to suit the dimension of the oad when widened by the statute how

The appropriation for this road was \$900 of which there has been expended \$755, leaving \$115 for further work.

The work was done by a party of men employed by the month under Mr. Benjamin Mocre, of Onslow, whose energy and great experience in conducting extensive lambering operations in the woods, secured the best possible result for the money expended.

The improv opriation of age du Fort On careful required of the township of extreme miry and u the chief city of Ottan towaship of Eisewhere, abstruction to ition, while it place at a t With the es

Clarendon, the ras so late in 1 road was pro The expend parts of the

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ul reconnoissance d sed, taking the neces nable me to make a hat very important a

11, for necessary obj es were in a daoge spring, I let part of jobs, viz. : bridge over Laen a bridge over Len

rook for \$50; and ing, for \$111.25, al

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Colonization mon to prevent its pro-adding 70 feet to small reservation. the Desert road as

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om twelve feet in tones removed so mounting to 2% ngth, upwards of causeways were the statute labor

expended \$785,

er Mr. Benjamin nsive lambering ended.

### OTTAWA AND PONTIAC COLONIZATION HOADS

The improvement of the front road, in the lower part of Pontiac, was done under the epriation of \$1,000 for that road from the County line between Ottawa and Pontiac to age du Fort.

On careful examination and inquiry, I found that expenditure on improvement was required on parts of the road in Charendon, where it is rough and miry, and especially te township of Onslow, below the river Quio, where there was an extent of about four nof extremely bad road, one half of it being over rough rocky ledges, and the other miry and unmade, requiring much work in ditching, &c. This piece of road had long the chief obstruction to communication by land between the county of Pontino and my of Ottawa. The building of several bridges on the front r ad, in the lower part of township of Onslow was also very much required.

Eisewhere, especially in the township of Bristol, I found the road good and presenting distruction to travel, and therefore not meriting any expenditure on it from the approtion, while the other parts mentioned so much more required it. My examination place at a time when country roads are in their worst possible condition,

With the exception of the improvement of a daugerous spot, on a bare rock, on the road Clarendon, the doing of any work upon it in that township was deferred, not only because resolate in the season but also because an apparently desirable change of a part of road was proposed, which required examination.

The expenditure of last season was therefore limited to the improvement of the very parts of the road in Onslow, and the building of bridges already mentioned. This work was also done by Mr. Benjamin Mocre and his party, and in such a manner

welieit an official expression of approbation from the Municipal Council.

The work was commenced at the north side of the Quio bridge, on No. 11 of the 3rd age of Onslow, and consisted in the making of bad spots by crowning and draining, the mag of rocks, cutting of side hills, the making of nearly a mile in all of ditches, with or enlyerts. On one hill nearly 300 tons of stone were removed, and part used for must work. Only 136 feet of causeway were made, but on the lower part of the road, en bridges were built, amounting to 464 feet in length, some of them eleven feet in ight, and all constructed most substantially.

The total expenditure charged in my account to 31st December last, on account of the aks on this road of the \$1,000 appropriated is \$735, leaving a balance unexpended of 365 for works to be done in Clarendon. (See Synopsis herewith.)

Parties in Clarendon acquainted with the ground informed me that for about seven iles, between No. 8 and No. 24 of the second range of that township, where there is a not bend in the front road, and some bad ground to be passed, the hend could be cut off, ring upwards of a mile of distance, and a much better site found by carrying the road arly straight between the above points, passing in, or along the rear of the 1st range, tiefy through a dry, neurly bare saudy red pine brulé---and the chaoge of the line here is thingly recommended by some of the leading settlers, as it would give a constantly dry ad that would require almost no repair instead of the present line, whose clay ground all always become exceedingly cut up, in wet weather in the fall. The parties recommendog the alteration say, with justice, that though it would not benefit them, as they do not reide on the proposed line, it would be a great advantage to the general travel, especially decepte from the Upper Canada side of the Ottawa, who would cross on the bridge now huilding at Portage du Fort and avail themselves of the road on the north side of the Unwa, which, by cutting off the great bend of the river is about ten miles shorter than the road on the south side to Ottawa city ; which is all unquestionably true.

Not having time to do so myself, I employed two competent persons to go over the poposed line, who found it to be as stated. \$500 in addition to the balance remaining of be appropriation would open this line and give a better and shorter road than the present and a road that would be sound and useful in the wet weather late in the fall, when most equired, when the other would be searcely passable. It is extremely difficult to see why thould be made with colonization road finds, but an additional appropriation for it would best least as justifiable in that respect as the one already made.

If by strict definition a colonization road be one necessary to give access through, or ", public lands fit for settlement, not already otherwise accessible, the front road in the apper part of Pontiac is much more strictly one, as it extends beyond existing continuous

### OTTAWA AND PONTIAC COLONIZATION ROADS.

steamboat communication, and facilitates access to the vacent lands north of it, above

The remains of appropriations of former years for the front road in the upper part the County of Pontiac, under which works were performed last season, were 8630 for part from Black River in Waltham to the Coulonge in Mansfield, and \$250 for the Cal and Deep River Road, to be spent on the uncompleted part in the upper part of Chick

As it was not till I received an official communication of the 22nd October, that I informed of the amcunts actually at my disposal, or the works to which they were apple remaining of former appropriations and that in some cases, after that, remote los had to be visited, and the work to be done ascertained, and agreements made on the for carrying them on, including the collection of men, and the purchase and forward tools and provisions, it will be evident that some of the works were necessarily ould

menced, when such operations generally are being closed and reported upon. Under such circumstances, I trust that it will not be considered extraordinary the works were not all completed.

As the work to be done under the last mentioned appropriations, consisted chi the building of several bridges, the want of which constituted the chief obstacles on road between the Coulong and Black River, it could be proceeded with, though h the sesson. I instructed Mr. Alexander Proudfoot of Mansfield, who was strongly a mended to me by Mr. Bryson and Mr. Poupore, M. P. P., on account of his ability character, to employ a party of suitable men by the day and proceed with the build the bridges and to make the best arrangement he could for the opening of the per road required in the township of Chichester. sport, gives

Ilc suspended proceeding with the latter at the instance of the Municipal Com Chichester, who were anxious to submit a change in the line of road to my decision.

Mr. Proudfoot was interrupted by severe illness and by unfavorable weather f getting out of the timber for bridge work in progress ; his works will be completed the incoming season.

He has, however, built three substantiel bridges of hewn timber, one of 30 and 56 feet in length, of 9, 7 and 12 feet in height respectively, with another of 180 in length in course of construction, when he ceased working, besides making at a gully a heavy side cutting of 600 feet in length, with log side wall; all in the tor of Mansfield.

The expenditure charged in my account to 31st December last, on account of under Mr. Proudfoot's charge, amounts to \$535, leaving a balance then unexpend \$365. to be applied to them next season. (See Synopsis herewith.)

When at Mansfield making arrangements for getting these works done, I sectional measurement of the bridge site on the river Coulonge on this road, so as to me to make an estimate for a bridge there, as the want of one renders this river, which are the state of the four hundred feet wide and nearly six feet deep in the channel, a great obstruct travel and the extension of settlement. I beg further to refer to it in the concludin gestions as to further works.

The opening of the Eardley and Masham road is the last work remaining to be tioned of those under appropriations of former years.

This road extends from the settlements on the Ottawa in the township of Eard those on the river Pêche in Masham, passing through the notch in the Eardley mon with very gradual ascent, behind the steamboat landing of Rocky Point. It is thes and most favorable route into the settlement on the upper part of the Pêche, and part of the northerly road line traced by Messrs. Bouchette and Aylen, to the

From where the opening of it commenced in Eardley, to the river Pêche, it is over six and a half miles in length. The work on it was done by Mr. Monging owns a saw mill on it,) as overseer, with a party of men hired by the day. It coust opening out, through woods, of about three and a quarter miles of it, and elsewhere ing an old lumber road that in places coincided with it, to the width of 16 or 20 required, and the partial building of a bridge on it over McGee's Creek, which is to fest in length of cold and 14 feet in height; but which was not finished owing formation of ice on the steep banks at it, rendering it dangerous and too difficult w

The app red in n With a y for the Besides secount to gins over direction, bet road, tion, the s dley and M It will be met in the meers, with This was work not a ding time competent

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#### OADS.

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riations, consisted chief the chief obstacles a eeded with, though a d, who was strongly a account of his ability roceed with the build e opening of the pie

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river Pêche, it is by Mr. Mongins he day. It coust it, and elsewhere idth of 16 or 20 lreek, which is to finished owing id too difficultw

### OTTAWA AND PONTIAC COLONIZATION BOADS.

The appropriation for this road was only \$400, of which there has been expended and and in my account to 31st December last \$373, including \$1.50 on account of the ndea and Thorne road, (see following synopsis), leaving \$27 further available.

With a small addition to it from the appropriation of 1861, this sum will be sufficient wfor the completion of the unfinished bridge ou McGce's Creek. Besides the expenditure on account of the foregoing works, a payment is charged in account to 31st December last of former year's appropriation, of \$251 50 to William bins overseer on the Clarendon and Thorne road. This was not for work performed under function, it was in liquidation of his claim for the amount of two pay lists, for work done frection, it was in liquidation of his claim for the amount of two pay lists, for work done ist road, referred to me for settlement, and for which there remained of former approion, the sum of \$250, the difference of \$1.50 being transferred to the account of the

It will be observed by my accounts that with the exception of the ten miles let by net in the east end of the Gatineau and Coulonge road, the works were performed by eers, with parties hired by the month or day.

This was done because it was preferable for various reasons, the irregular nature of work not admitting of its being let properly by contract, the lateness in the season not ding time for the delay of doing so, or the work being such as ' uired the judgment competent overseer experienced in it. The wages of the met. . ith provisions and sport, gives an average of 811 cents per day's work, which is low on the Ottawa.

Synopsis of expenditure charged by A. J. Russell in his accounts rendered to 31st ember, 1861, on account of the appropriation of \$10,000 for Colonization Roads in the atics of Ottawa and Pontiac, for 1861.

Payment to W. A. Richardson on account of contract on Gatinear and Coulonge road	1
V9. 01' account of monter of Other The States of the State	33 776 AO
Do. on account of bridges on Otter Lake road in Thorne Do. for advertising road works by order of Desert road	1,047.10
Do. for advertising road works by order of Departure	186.00
Do. for advertising road works by order of Department in Quebec Do. to P. Aylen, Esq., for occasionally inspecting and measuring works	102.02
noissance of road to Ding Darges, including expenses of recon-	102.00
Remuneration to A. J. Russell for superintendence of the above and of other works, under remaining	169.94
years	400.00
Total master 3.1	\$5,776.54
Total received by A. J. Russell on account of the above Do. expended as above	\$6,000.00
Robert 11 1	5,776.54
Balance in his hands by his account current to 31st Dec., 1861.	\$ 223.46

Synopsis of expenditure of old appropriations for roads in the Counties of Ottawa and tiac, autumn 1861, by A. J. Russell.

### Onslow and Masham Road.

Expenditure, three pay lists Proportion of remainder of B. Moore's account Proportion of contingencies.	<b>\$</b> 443 92	\$	900.00
Proportion of contingencies	14.00		
		\$	785.00
Balance unexpended 1st January, 1862			
	*******	È.	115.00

### OTTAWA AND PONTIAC COLONIZATION ROAD

TOWITAC COLONIZATION ROADS.
Amount
Expenditure, B. Moore, two pay lists
Balance unexpended, 1st January, 1862
Off this balance-paid John Gordon, in January, 1862, for assist- ing in exploring last fall, not in account, \$5.20 \$ 259.80
Part 1
Pontiac Front Road. Amount for Mansfield
Do. for Calumet and Deep River
\$ 900.00
Amount of S. Proudfoot's account
Balance uncerned 1 1 535.00
Balance unexpended on 1st January, 1862 \$ 365.00
Eardley und Masham Road. Amount
\$ 400.00
Amount of D M
Amount of F. Morgan's account
Unexpended in payment to Hodgins for Clarendon and Thorno Road per pay list
1.50
Balance unexpended on 1 + 1
Balance unexpended on 1st January, 1862 \$ 373.00
 (1
Clarendon and Thorne Road. Amount
\$ 250.00
Paid Wm Hall
Paid Wm. Hodgins amount of pay list
Over expended and charged to Eardley and Masham road

Onsiuw Onslow : Pontiac Eardley Clarendo

REC

Unslow Onslow Pontiac Eardley

Expended Gerdon \$5.20.

From inf respectfully rec ment of Coloni lst. The scar the line from the point longe road nov The bridg roads. This n to four-fifths o the Pickanock along the front

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would require partly from d required goin

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### OTTAWA AND PONTIAC COLO IL ATION ROADS.

### RECAPITULATION OF EXPENDITURE.

Onslow and Masham road Onslow and Clarendon Front do	785100 735.00
Pontiac Front do	535.00
Clarendon and Thorne do	
Total	\$2,678.00

RECAPITULATION OF BALANCES ON HAND, 1ST JANUARY, 1862.

Onslow and Masham Road Onslow and Clarendon Front do Pontiae Front do Eardley and Masham do		$\begin{array}{c} 115.00 \\ 265.00 \\ 365.00 \\ 27.00 \end{array}$
Total as per account current		772.00
Total as per account current	38	111100

Expended in January, 1862, on account of Onslow and Clarendon road, paid John Gordon \$5.20.

#### PROPOSED WORKS.

From information heretofore acquired, and recent careful investigation, I would respectfully recommend the following as the most suitable further works for the advancement of Colonization in the Counties of Ottawa and Pontiac.

less of Conduction in the contacts of Surveyed by Messrs. Bouchette and Aylen, on and less the line between the Counties of Ottawa and Pontiae, northward and southward, from the point where it intersects the west end of the ten miles of the Gatineau and Coulonge road new nearly completed.

The bridge built over the Stag Creek, where they intersect, serves for both of these roads. This north road line is laid off into lots, and by Mr. Aylen's report from seven-eighths to four-fifths of them are fit for settlement, on the 13½ miles from Stag Creek northward to the Pickanock, which, including sinuositics may be upwards of 16 miles of road. It passes along the front of the township of Stanhope, now ealled Alleyn, recently sub-divided into lets by Provincial Land Surveyor Holmes, who reports it to contain nuch good land, especially south of the Pickanock, which agrees with what was previously known as to that part. From Mr. Holmes' statements, and Provincial Surveyor O'Hanly's report of exploration of that and other townships, it would appear that by turning westward, this road line could be continued at least twelve miles further inland, generally fit for s ttlement, southward of Stag Creek the land on this line, as far as the Sth range of Masham, is all suitable for settlement, which with sinuosities may be fifteen miles of road line.

This would give upward of thirty miles of settlement road in the most favorable country the valley of the Gatineau affords, besides its probable extension at the north end, and the continuation westward of the Gatineau and Coulonge road, all branching from the part of the latter made last season. As this extent is all, as yet, unoccupied, I consider it the most advantageous and most readily available field for the formation of settlement in the territory under my charge. As timber agent, I would therefore propose the opening of this road as the first object to be provided for, and that I should devote to the making of it the remainder of the appropriation of last season, with as much of the appropriation for the ensuing season as may be available for it.

To make this road as good as the best class of colonization roads in Upper Canada, wold require an outlay of about \$500 a mile; some of them cost nearly \$700 a mile, partly from defective original specifications and partly, in some cases, from their having required going over from not having been. completely made at first. The accompanying specification affords a better road, for the cost, than any other that can be made. It con-

.... \$1,000.00

\$ 650.00 250.00 \$ 900.00

535.00 \$ 365.00

\$ 400.00

373.00 27.00

250.00

51.50 1,50

### OTTAWA AND PONTIAC COLONIZATION ROADS.

centrates the labor on the making of a sound, though narrow road bed, where the wheel run. Without that, additional earth is useless, either in a rugged or dry sandy country and even in elay soil a greater breadth of muddy surface is a poor substitute for crowning and drainage. The clearing of a greater width of read than is going to be used as such a simply wasting the moncy-that should be applied to making a sound, dry and even carriage way-in clearing land at the sides, to save the settlers the trouble, or to grow up again h bushes. If a road be made by merely cutting the roots and stumps close off by the surface of the ground, in the roadway—instead of thoroughly grubbing out the roots, stumps and stores from nine feet, at least, in width of the centre—the remains of the stumps will be a store of the store always be protruding afterwards, rendering the rord bad and dangerous for rapid travelling, or should the road he subsequently re-made, they must be then grubbed out at more cost than if the trees were standing. In the same manner, if narrow causeways be made of small pieces of wood when a road is first opened, besides the risk of their being dragged into confusion by the drawing of heavy loads over them, and the impossibility of teams passing each other on them, they remain as nuisances when the road is afterwards properly

made, or are thrown aside as useless, and replaced at further cost. For these reasons, therefore, it is desirable, to avoid future loss of labor, that in open-ing roads, nine or ten feet of the centre should be thoroughly grubbed, and a sound road bed made of it, and the causeways and bridges be made wide enough for two vehicles to pass on them, especially on first class settlement roads leading to large areas for settlement,

Where it might be advisable to adopt an inferior description of road to that provided for in the annexed specification, to meet the requirements of economy, or for the opening of branch roads of less importance, the crowning and grading, in forming the road as menwidth, be left to be done by the settlers, and the grubbed part of nine feet in the center be merely solidly levelled so as to be made solidly passable for a loaded wagon. This is the least work that can be done without future loss, and it would afford a rough but passable road, with many bad spots in it, but it would be as good as the roads are, in many er-isting settlements. There would be labor to add, but none thrown away on it. Such work might be designated as affording a second class road.

A third class road might be opened in an inferior manner, the width of the road and

causeways to be fourteen leet, at most; no grubbing done; the stumps to be cut close to the surface, and a passable track for a lightly loaded wagon made throughout. In this case the causeways and bridges would be the only part of the work that would

be of value in future making of the road, as, till the stumps and roots become completely rotten, the grubbing and grading would all have to be done as if in standing woods. The cost of making roads of either of these descriptions depends altogether on the

nature of the ground and timber where they pass, and the prices of provisions and labor in the locality. As pine trees (whose stumps are expensive to grub) are so frequenting the Ottawa country, and so very much of the land is stony, rocky and uneven, and as the great market occasioned by the lumber trade sustains the highest prices for produce and labor known in the Province, the cost of making any kind of road should be very much

In ground of the usual ruggedness, a road of the first class mentioned, made according to the accompanying specification, would cost, as stated, \$500 a mile, causeways and bridges The second class described would cost \$380.

The third class, or ungrubbed passage for a wagon, would cost \$300 a mile.

The bridges and causeways in the two last would be nearly equal in quality to these on the first, and be serviceable when the roads were completed and enlarged to the usual

Having made this long digression, as it seemed to be necessary in explanation of proposed future work, I beg to revert to the north road, from the Township of Masham to the Pickanock, which intersects the end of the part of the Gatineau and Coulonge road made this season. As presenting the best site for immediate settlement on the Gatineau, it is the first in importance to be opened as a colonization road. But it will be sufficient to open it on the scale of the second class road mentioned, at a cost of about \$380 a mile,

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### OTTAWA AND PONTIAC COLONIZATION ROADS.

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Ination of pro-Masham to the Ige road made Antineau, it is sufficient to \$380 a mile, wing the completion of it to the scale of the first class mentioned, to be afterwards permmed, as it may, without any loss of work, should its future extension or importance as a enternent road render it desirable.

In connection with this, the opening of the Gatineau and Coulonge road westward, from the part made this season, might be continued, on the above scale, to the termination of the road made this season, as already mentioned, in Thorne, a distance of fifteen miles, and thence twelvo miles further. But as the land on the first fifteen miles is not so suitble for settlement as on the north road (though more than half of it will eventually be exupied), and as the westerly twelve miles of road line, though passing through good and already partly settled, has not been definitely ascertained to lead to any considerable reat of good land beyond it, neither of them (though well worth opening, and meriting mappropriation, should there be funds disposable) are so important or so immediately desimble to be opened as the north road already mentioned, or the others that I shall next specify.

Though secondary, as a great inlet for settlement, to the main road up the Gatineau, which I shall again revert, a road up the valley of the River Petite Nation is the next that merits attention from its immediate utility and probable great importance from the entent of good land it will open for settlement.

This road line commences at the existing road in the township of Ripon, on the east side of the river Petite Nation. Thirteen and a half miles of it were marked out last fall, by Mr. Leduc, under my direction, as before mentioned, leading up through the township of Suffolk to its north outline. I would propose continuing thirty or thirty-five miles further northward, to Lake Monaming, a tributary of the River Rouge, where, from definite information and documents of survey in my possession, it would traverse a large tract of unable land, of a superior quality for settlement.

On the part surveyed by Mr. Ledue, he says he found "the land, though uneven generally, yet nevertheless very advantageous for settlement, the soil rich and suitable for cultivation and the production of all kinds of erops; the wood-maple, beech, hemlock, basswood, and fir of a tall growth, with very little pine;" and in an exploratory excursion northward, from the end of the road line he traced, he found the soil to continue arable and fit for settlement. For thirty-five miles of this line my information is from surveys performed at the near and the far end of it; of the middle part, the reports of lumber hunters who have traversed it, are very favorable, describing the land as resembling that of Suffolk.

As this presents us with the site of a general highway of forty or fifty miles in length, from which lines of settlement may be opened along concessions branching from it, right and left, as in Suffolk, with the lumbering works on the Petite Nation and the river Rouge offering a considerable market for farm produce, and being the nearcst and one of the largest favorable tracts on the Ottawa, it offers an important field for colonization, especially for the surplus population of the adjoining seigniories and parishes.

I would suggest that this should be opened as a first class colonization road, as described in the accompanying specification. As labor is rather cheaper in that locality than in some others on the Ottawa, the cost might be somewhat under \$500 a mile, all charges included, especially as dry loam is the prevalent soil in parts.

To open the thirteen and a half miles laid out would, at the above rate, cost \$6,750. By reducing the work to levelling solidly on very dry, sandy ground, \$6,000 might be sufficient.

The third work I would suggest, as most urgently meriting attention, is the road from the rear of the township of Hull to Priest's Creek and the township of Bowman on the Rivière aux Lièvres.

This line of road touches the north-west angle of Templeton, and continues nearly along the line between Wakefield and Portland to Bowman. A small appropriation of colonization road money was very advantageously expended upon it last season, by Wm. Hamilton, Esq., of Cantly, in commencing to open it at the lower end. It should be continued at least sixteen miles further. It passes through a large tract of good land, lying partly in Wakefield, Portland and Denholm, now being settled, giving the most direct access to it from the City of Ottawa. It would open up most advantageously the land fit or settlement between the Gatineau and the Rivière aux Lièvres, and on the west bank of 15

that river, which does not, on this part of its course, oxtend beyond the township of Ba

man. The township of Bigelow, above it, being inferior and further up the high ma between these rivers, comes close to the latter, in a form too rugged for settlement. This road is essential for access to the Norwegian and German settlement now form

in Bowman. If the encouragement of such innuigrants is desirable, it would seem espe ally so that a road of some kind should be afforded the first settlers of that class in the part of the Province, who, from their ignorance of the English and French language suffer much greater inconvenience in commencing than other settlers.

As this road cannot be carried very far with advantage, an expenditure upon it \$300 a mile, may probably he considered sufficient, which would render an appropriate of \$4,800 for it desirable. But as the sum of \$500 advanced for provisions for the dest

tute Norwegian and German settlers in Bowman, and for which I hold their notes, payable

in labor, if so required, is chargeable to the road, but possibly may not all be recoverable it would seem desirable that the appropriation should not be less than \$5,000.

The Rivière aux Lièvres affords a water communication from above the falls at Buck ingham village to the township of Bowman, but in ascending there are several portage besides rapids, where it is necessary to tow or pole up. A road up the valley of the Rivier aux Lièvre is very desirable, alike for the purpose of settlement and for the traffic of the lum. ber trade. The road on either side is passable for a cart but a few miles above the eilage of Buckingham. I am not able to give an opinion how such a road should be earied. Where the Rivière aux Liévre traverses the ridge of the Laurentides, at and near the lligh Falls, there is much rough land, and unfavorable country above that, which would require

Much of the township of Villeneuve is bad land and mountainous. The township

The lower part of the valley of the anx Lièvres, excepting near its month, seems much

I would suggest that a line of colonization road should be surveyed and opened, divergng fror the road from the steamboat landing at the village of Thurso to the river Ste.

I am not in possession of sufficient information to enable me to say how fur this line

less suitable for settlement than the country cast of it, drained by the Lower Blanche and

Seque, and passing up through the township of Derry East, on the east side of the Blanche,

where it would intersect much good land, and northward through the township of Lath-

of road might with advantage be carried. But the hand to be opened for settlement by

this line being so near the Ottawa, and connecting with so accessible a part of it, so near

its mouth and to the port of Montreal, would seen to render the survey of such a road line,

after careful exploration, and the opening of it for settlement, very desirable. It is equally desirable that a line of colonization road should be explored and opened

from the west end of lake Blanche in rear of Lochaber northward, nearly along the line between the townships of Derry East and Derry West, where there are vacant, good

lands, superior in quality to those already settled to the southwest. This line may be car-

ried along the east or west side of the west branch of the Blanche, as further examinations

night dictate, and thence up along the line between Villencuve and Lathbury, or there-

abouts, into the rear of the township of Wells, where the land is well suited for settle-

ment. This road would give access to the valley of the Rivière des Sourds, where there

are extensive flats of arable land, reported to be good, down which a branch road might

The townships of Derry are described as containing a good deal of good land, hilly but not stony, and of a deep fertile soil. Beyond the 4th range of Derry West no lands

were taken up last fall, nor in Derry East except where a few squatters were settling up the

From where the Kiamaca joins the aux Lièvres, that is, about eighty-five miles directly northward from its mouth, the country, as elsewhere on the north side of the Ottawa, and at that distance from it, changes from high rugged hills to a much lower undulating sur-face, and is much more arable. The good lands on the upper course of the aux Lièrres

will most probably be settled in connection with the Gatineau

the Petite Nation, which is altogether on a lower level.

probably be carried with advantage to the Rivière aux Lièvres.

Blanche.

of Wells, above it, is better, with much good flat land extending up the Rivière des

OTTAWA AND PONTIAC COLONIZATION BOADS.

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#### OTTAWA AND FONTIAC COLUNIZATION ROADS.

These two last mentioned roads would give access to the nearest vacant lands in the unty of Ottawa, suitable for settlement.

The settlements generally forming on the Rivière aux Lièvre, and the large amount grenne that government has realized from the extensive lumbering operations that have rears been carried on in connection with milling establishments at the thriving village Buckingham on that river, are strong reasons for opening a road up its valley, but as the atry on the banks of the river, to a considerable extent, presents difficulties requiring ful examination, I am not in possession of the information necessary to enable me to reany opinion of value as to where such a road should be located.

I have made these suggestions and observations as presenting subjects for further esideration with a view to the development of the lower part of the county of Ottawa.

Turning to a more remote part of the Ottawa country, I would in the fourth place smmend as meriting an appropriation of colonization funds for the opening of a road up evest side of the river Coulonge, to give access to a tract of good land in the west part the township of Pontefract, and between it and Black River, and the building of a hidge over the river Coulonge.

The township of Pontefract was surveyed lately by Mr. J. Robertson, of Fitzroy. He is a very reliable and thoroughly practical judge of the quality of land; what he calls and land is unquestionably so. He condemns as unsuitable for settlement that part of the maship lying east of the river Coulonge, even where it is very fine looking hardwood ad, it is in general too shallow in soil for proper cultivation or certainty of crop in dry asons, though the demand for farm produce will doubtless soon lead settlers to occupy the better part of it.

The west side of the township, however, contains much good hand fit for sottlewat for about cleven ranges in depth, which also extends westward towards Black River

The small proportion of good land in this part of the Ottawa country, compared with the great extent suitable only for lumbering, renders this tract of much value for settlement. It is near the Ottawa, and being on the way to the extensive lumbering regions on the Coulonge and Black River, the settlers will be in the most advantageous position for ditaining good prices for their produce, and the road, so far as it may be opened, will preent the double advantage of being useful to the lumberers working up these rivers, as well as to the settlers.

I would suggest that this road should be opened from the front Pontiac road in Mansfeld back four miles through that township to Pontefract, and thence about twelve miles further to and along its west outline, the site to be more definitely determined on survey of the line-in all say sixteen miles, at \$300 a mile, making it a road of the third class, as regards scale of work, would require an outlay of \$4,800.

The Coulonge is the first unbridged river in the main front road on the north side of the Ottawa, above the city, and being a large one, it is the first serious obstacle to communication and to the progress of settlement.

The river Coulonge enters the Ottawa about a hundred miles above the city, and as the country at that distance is but partially settled and only on the front, the main road here is virtually a colonization road essential to the further progress of settlement, and the building of a bridge over the river Coulonge is much required, not only for the upward tryel on the Ottawa in connection with lumber trade and the eastern settlements, but also for the extension of settlement in the townships on the main river, as well as on the tracts in the rear like that just mentioned.

As already mentioned, I took the necessary sectional measurement of the river to enable me to make a plan and estimate of the proposed bridge. The river is there four hundred feet wide and abont six feet deep in the channel, with a strong current and high steep banks and therefore quite unfordable. The bridge requires to be five hundred and ten feet in length, and twenty four feet in height from the bottom of the channel. It should have six water ways, of sixty feet wide, or five of seventy-two foet, with queen-post tresses in the latter case, or king-post tresses in the former; the cost would be equal in either case. To give security, as the bottom is of shifting sand, the piers should be well sunk with pro-jecting foundation pieces, to give breadth of bearing, and they should be sent down with a good bed of fascines under them, which will prevent the eddy behind the piers and the plungs of the swell in front during freshets, from undermining their foundations

in blocks too small and scattered to admit of the formation of extensive lines of settlement or to warrant the opening of colonization roads to them in detail ; the improvement of main roads such as this which are absolutely necessary, to give access to the interior lands gene rally, is a very certain and advantageous way of forwarding the settlement of such parts of

A company was, I believe, formed for the macadamising of twonty-four and a half miles of this road, and a survey of the line and estimate of the cost of making it a macadamised road were made by George II. Perry, Esquire, Civil Engineer, but nothing further has since In a country like that north of the Ottawa, where the land fit for settlement is much exceeded in quantity by that which is unfit for cultivation, and is so frequently to be found

A stage runs regularly from the Ottawa to the Puagan. The land in that distance iall taken up and occupied, and the road in dry weather is a good country road, and much labor has been spent on parts of it by the inhabitants, but in continuous wet weather it becomes exceedingly cut up, with the deepest possible ruts, owing to the richness of the soil and the great traffic upon it. In many places it needs ditching and culvers, and there are some dangerous old bridges upon it, and bad rocky hills that are serious obstacles.

The Gatineau road naturally presents itself in two principal divisions. The lower part, from the village of Hull, opposite the city of Ottawa, up the west bank of the Gatinesa to Brooks's, at the Puagan Falls, in the township of Low, is thirty-five and a half miles in length. For this distance the road passes generally over rich clay soil, the allavial flats of the river, with rocky ground on the spurs of the hills, which occasionally come close to the river, sometimes in precipitous rocky bluffs, hemming the road in to the nar-

It would not seem unreasonable were the inhabitants of that section of country to ask one year's revenue, in thirty, of the public domain, to assist them in giving access to it for the purposes of trade and the extension of settlement in it.

Besides the price of lands sold. Government must have already received upwards a half a million dollars as revenue for lumber cut on the Gatineau. Lumbering was carried on upon it to a large extent upwards of thirty years ago, and during the last nine year alone, I collected in ground rents and duties on saw logs cut on it, \$221,909, and far from being exhausted, the annual revenue has been gradually increasing from \$18,454 in 1853,

Apart from being the inlet to the lands suitable for settlement on the banks of th Gatineau and in the valleys of its many tributaries, it is now the main road of a numerous though rather thinly seattered population who can hardly be expected, unassisted, to make and maintain a road of ninety miles in length, passing frequently over very rugged unot enpied ground, and which is much used by the traffic of a branch of trade that yields

The making and improvement of the main road up the Gatinean is the next subje I would suggest as meriting attention ; not as being of less importance than the precedin works mentioned, but because its claims to consideration apart from its character as colonization road are such as to merit a special parliamentary grant.

Though the extent of land fit for settlement in this direction is comparatively sm it would be a mistake to suppose that the public domain is too unimportant or unprofit to justify such considerable expenditures on account of it. The land that is good is un nally profitable to the cultivator, and much of the remainder now yields and will contin to yield a larger revenue to the Crown than the sale of the lands would represent, by produce of its forests, which afford profitable employment to thousands on the spot, a

the Coulonge. Black River is the last large river on the Pontiae road which termina twenty miles beyond it, at the foot of Deep River, where precipitous mountains cometa shore, rendering the continuing of the road along it impracticable ; it will have to be card

Including \$100 for the making of the road approaching the site at the east end, appropriation should be \$3,232; with the \$1,800 estimated for the Pontefraet road, A bridge is also much required on Black River ; at thirteen miles by the road ab

public lands

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OTTAWA AND PONTIAC COLONIZATION RHADS

#### OTTAWA AND PONTIAC COLONIZATION ROADS.

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sions. The lower of the Gatineau e and a half miles soil, the alluvial occasionally come ad in to the nar-

n that distance iroad, and much s wet weather it e richness of the id culverts, and serious obstacles.

and a half miles acadamised road arther has since

lement is much ntly to be found es of settlement voement of main rior lands geneof such parts of public lands as are fit for it; especially in such cases as this, where the road is the way of an extensive lumber trade, which creates a highly profitable market for the es and causes settlement to extend and prosper where it otherwise would not yet be distance.

This would seem to afford an argument in favor of granting assistance to the Gatineau lamised road company, should they proceed with their design, as it would, no doubt, powerfully forward the settlement of the Gatinean country. Uncertainty as to how h of the road they may improve, renders it difficult to estimate definitely any sum for portion of the road, between the probable end of their works and the Puagan, where are ensued is certainly required, and be provided for in a general estimate for this road, ase of a grant being obtained for it. An expenditure of at least \$4,000 would probably desirable on this section, besides anything the company may be able to do.

The upper part of the Gatincau road, from the Puagan to the river Desert, is that on the expenditure in completing and improving it is most argently required, not only to a access to several townships containing together much land suitable for settlement, but for the benefit of the existing settlements and the important trade of the country. The sauce is stated to be fifty-five miles. Much of it is merely a lumber track or winter al parts of it have been worked upon by the settlers, as well as the lumberers. Some coloiation funds have been spent on other parts of it. The worst part of it, owing to natural ificulty, is the first twelve miles above the Puagan. It is with much difficulty and some anger that an unloaded buck board can be drawn through from the Puagan to the Indian Wision Settlement at the river Desert, in the township of Maniwaki.

The first twelve miles, from the Puagan to the river Kazabazaa, embraces much of the ast expensive ground to make a road upon that can be found. It has been opened from welve to twenty feet wide. With some dry, even ground it presents steep clay hills, much try rocky ground, varied with long deep miry places, where the remains of numerous ine stumps that have merely been cut close by the ground, will be more expensive to also ut than if the trees were left standing. The opening of the read in this imperfect maner and the making of some good causeways, a little side cutting, and some bridges tas all that the limited funds hitherto available admitted of being done on such parts of he whole line as were worked on, and excepting partly in clearings, the grabbing and making the road, including ditching, grading and erowning, excavation and culverts, and the building and re-building of many bridges, has all to be done.

A new bridge is required on the Kazabazaa, 263 feet in length of work, and four feet higher than the present imperfect old one.

The next thirteen miles to the river Pickanock, in the township of Wright, passes over much more favorable ground; the cost per mile of making it a good road will be not much more than half the rate of the preceding portion.

The following nine miles from the Pickanock to Mr. Leamy's farm, at the upper outine of Wright, would cost still loss on an average per mile, were it not for two considerable bridges required, for which I have taken the necessary measurements. Beyond this no work whatever has been done with colonization monies.

The next six miles reaching to the middle of the township of Bouchette, owing to there being much unfavorable rocky ground, with two considerable bridges to be built, will be about twice as expensive to make as the last.

The remaining fifteen miles to the river Desert, though at present merely a narrow whater road, will be much less expensive in making than the preceding, being generally very favorable ground, but is all in woods till about a mile from the river Desert.

The provide ground, but is an in woods the about a line the two the males in the manner. To make a fair turnpike road of the whole of this upper fifty-five miles in the manner described in the annexed specification but one-third wider, would, on account of the extremely unfavorable character of parts of it, probably cost about \$35,772. But by careful management in concentrating the labor on the bad and impassable parts of it, and making the last fifteen miles in the smallest scale to be useful, the whole might be made fairly passable for loaded wagons for about \$19,448.

This sum represents the smallest scale of work that Gover — it could have performed without disadvantage or considerable loss of labor; and it would be necessary that it should be incurred if the settlement of the Indian township of Maniyaki, and the surveyed townships opposite and above it on the cast side, containing much good land, be considered

desirable. Much of the line is uninhabited, especially the exceedingly rocky and ruce parts of it, and they will necessarily remain so. The upper part of Bouchette is uncer pied, so also is Maniwaki, excepting at the Desert, and it will long continue so, unle steps be taken for its survey and sale, which is very much to be desired.

It is to be regretted that Maniwaki, probably the best township for settlement on th tiatineau, should, where good land is so scarce, remain not only unoccupied, but a barrie

From the river Desert upwards, the Gatineau road should be continued for colonia tion purposes, on the east side of the river up through the townships of Kensingen Aumoud and Sicotte to Lake Baskatong in the township of that name; above the rive Desert the west side of the Gatineau becomes less favorable for settlement than the est Above lake Baskatong, crystalline limestone is said to prevail up the rive Baskatooshin.

The river Gatineau drains an area of about ten thousand square miles, and is probable about four hundred miles in length. In general, one quarter of the land in the know parts of the valley of the Gatineau may be estimated as fit for settlement, in the present acceptation of the expression, though more of it may eventually be occupied.

To describe the lands fit for settlement, I would quote the words of Peter Aylen, Esquire. His opinion is based on twenty-eight years personal acquaintance with the Gatineau country, which, in connection with his lumbering operations, he explored more extensively than any other person. He says the lands fit for settlement "are generally of an unusually rich and durable soil, and though stony in places consists of deep loam en the tables that form the hill tops, and clayey flats in the valleys, often covered with deep black earth, and admitting of drainage where requiring it, poor sandy soil being of are

As one of the causes of tertility, I would mention that I found crystalline limestone the most commonly prevailing rock along the Gatineau for upwards of sixty miles below the river Desert. There are farms on the Gatineau presenting upwards of two hundred acres of the richest alluvial fields in front, and in rear hills of crystalline limestone, valuable alike for building and as a manure for the soil, and covered with valuable wood, pine for building and hardwood for fuel. In the finest parts of Canada those advantages are

But the greater part of the Gatincau country, as is the case on the north side of the Ottawa, generally consists of rugged, unarable hilly land with occasional sandy plains, the good lands occurring in veins, irregular tracts, and isolated spots.

It is of the utmost importance, therefore, in the projection of settlement roads, that the extent and position of those favorable tracts, and the best means of connecting them, if not already definitely ascertained, should be carefully determined by cursory exploration and the road lines adapted accordingly, as any other system of projection otherwise based,

As the rugged and inferior lands are generally covered with a good growth of valuable timber, in the manufacture of which, much farm produce is consumed, creating a market on the spot, and high prices, it is evident that the value of the remaining quarter for settlement and cultivation is thereby very mach increased. By careful selection, the extensive forest regions, unfit for cultivation, might be left untouched, while continuous lines of settlement might be formed on the intervening veins and tracts suitable for cultivation, and settlers be placed where they would derive the greatest benefit from the lumber trade, and at the same time the poor and unarable regions of the Ottawa he preserved for ever in their character as the greatest lumber forests in the world.

Grain, potatoes and other vegetables are successfully cultivated on large lumbering fames at thirty and forty miles north of the river Desert. In the settlement on the latter, fall

Though but remotely connected with the subject of this report, it is worthy of remark that it has been well ascertained that behind the high country of the Laurentides, that is, at from about a hundred varying to two hundred miles north of the Ottawa, the country becomes lower, and that in this great depression, which is about a hundred miles in breadth, and of an unascertained length from east to west, containing the upper three hundred and fifty miles of the Ottawa's course, there is much land suitable for cultivation, said by these

have visit Gatincau. nd Lake, a theru valley known to ha wme degree pper Saugen will be by t

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#### OTTAWA AND PONTIAC COLONIZATION ROADS.

gly rocky and rugge to have visited it to be less hilly and stony than the new townships on the Madawaska Bouchette is unow Gatineau. Stratified limestone is found in it at the head of lake Temiscaming and at and Lake, a hundred miles further east. As these two points, and much more of this ahern valley are a degree south of the latitude of lake St. John on the Sagnenay, which inown to have a better climate than Quebec, it is quite probable that they may possess some degree the same advantage ; and us thousands of settlers are living successfully in per Saugenay, it would be absurd to suppose that the same will not ultimately be the on the great waters and much more extensive field of the Upper Ottawa, facilitated as rill be by the great reaches of inland navigation.

The river Desert, or more properly the settlement at its mouth, is about three miles th of the latitude of Three Rivers, and the south shore of lake Baskatong is about four iles south of the latitude of Quebee.

I would now beg leave to recapitulate the works I have submitted for consideration the order in which they seem immediately desirable to be proceeded with, and the apppriations that would be requisite for them, or the portions of them proposed. In doing I would respectfully explain that I submit a relative view of a system of works that fould seem desirable for the most advantageous opening up of the localities most suitable ar settlement, and of the probable expense of performing them at rates of cost consider-by under that devoted to similar colonization works in Upper Canada, and which might scupy several years in execution, without presuming to indicate how much or how little of the Colonization funds should be at present devoted to them, were they even approved and adopted ; my sole object being to place at your disposal the result of the best information I have been able to accumulate, aided by my past experience in superintending such works.

### Recapitulation of Proposed Works.

Ist. For the making of the North Road from the Péche to the Pickanock, 31 miles, at \$380, less remains of appropriation of 1861..... \$ 8,780

		,		11 000
2nd.	For	do.	of 134 miles of Suffolk Road	6,000
2rd	For	do	of 16 miles of Hull & Bowman do	5,000
441	Por	do	of 16 miles of Pontefract road	4,800
401.	ror	uo.	11) 11 Dian Contention	3,232
			and Bridge over River Coulonge	<u>سار، شرور،</u>
2.1	11	1.	of the main read up the Catingon to the River Desort	

For do. of the main road up the Gatineau to the River Des 5th. 19,448 55 miles from the Puagan upwards.....

(Were a special Parliamentary Grant obtainable for the Gatineau roads, the amount should not be less than \$35,772 for the part from the Puagan upwards, \$4,000 for the part below, and \$4,800 for a bridge over the Gatineau, which is much required about six miles above the mouth of it.)

### Further Works proposed to be afterwards prosecuted.

The West Road in Derry or the East Road on do. or both.

The continuation of the Suffolk Road to Lake Monoming.

The building of a Bridge over Black River in Waltham.

The continuation of the Gatineau Road towards Lake Baskatong.

Bat prior to that the continuation of the Gatineau and Coulongo Road.

For the position of the roads and works referred to in this report, I beg to refer to the accompanying map of the Counties of Ottawa and Pontiac. In it the representation of proposed roads not yet surveyed, it is only intended to indicate the locality and direction of them, leaving their position to be better determined by exploration and survey.

There is great danger of avaricious people, who own land elsewhere, taking up lands on Colonization roads as soon as it is known that they are to be opened, to the obstruction of settlers who really want the lots. To prevent this abuse the conditions of actual settlement should be promptly and rigidly enforced to the letter, and confiscation take place without a single day's delay, just in the same manner as has been punctually done for many years with lumberers' licences in this agency, when they failed to comply with the conditions required of them, though they might have made many payments on their licenses previously, and might lose thousands of dollars by the confiscation.

It would certainly be quite as easy and at least as just to enforce confiscation on the pretended settlers.

### TTAY A AND PONTIAC CELONIZATION ROADS.

For a simple and self-acting system that would completely remove the obstructions scillement caused by parties taking up lands for the speculative purpose of wringing he prices out of actual settlers afterwards, I beg to refer you to my report on the St. Maria Territory, transmitted in March, 1859, containing practical suggestions as to the sale and settlement of the waste lands of the Province, and the better adjustment of the rights settlers and lamberers, exhibiting a system whereby lands could be sold to actual settler at a herely nonwinal pr ce without any loss of revenue the refront to the Grown. I have the honor to be, respectfully,

Sir,

Your very obedient servant,

A. J. RUSSELL

### SPECIFICATION

Of the manner in which the Colonization Road from the Pusgan Falls, Gatinenu, to the River Coulonge, is to be made.

1. It is to be made on the site of it traced in the field, excepting where otherwise pointed out by the Superintendent, or person in charge. It is to be cleared to the width of 24 feet.

2. It is to be formed to the width of 16 feet; all roots, stumps, and stones are to be grubbed out 10 feet in width in the centre, which is to be solidly levelled up, and in by grand evenly crowned with hard earth to the height of \* inches in the centre, above the side of the road. All roots, stumps, vegetable matter, stones, and timber, and other cubbish to be thrown 4 feet back from the edge of the (16 feet) road. All stumps in the sides of the road, that is 3 feet on each side of the grubbing, to be cut down even with the surface of the road when made. No crowning to be done till all the grubbing has beer

3. In moist or loany ground, as pointed out by the Superintendent or person in charge, the centre of the road is to be crowned to the height of 18 inches above the sides, which are to be formed into continuous water-tables, so as to take off all the water. They may he crooked outside of the 16 feet to avoid stumps or other obstacles. Or where required by the person in charge, a ditch 3 feet wide and 2 feet deep, is to be sunk along the upper side, outside of the 16 feet, in addition to the crowning mentioned in the second clause; the earth from the ditch to be used in evenly crowning the centre, excepting where it is black earth or vegetable matter, which is not to be used in crowning.

4. Culverts, with safficient discharge drains, are to be made in all hollows where water may at any time pass, or where pointed out by the Superintendent; the water-ways to be at least 15 inches wide, and 10 inches high, in the clear under-greater if required. The are to be made of cedar if it can be had, otherwise of black nsh or pine flatted; to be made hes than 5 inches thick, the pieces to be 16 feet in length. The covering to be supported by four cross pieces dovotailed into, and securely pinned to the side pieces. The top of

the covering to be lower than the road, and well secured by pieces pinned across the ends. 5. Such small bridges as may be required, are to be built of the same description of o. Such small bruges as may be required, are to be built of the same description of timber as the culverts throughout; the covering to be of the same dimensions, resting on four stringers, 1 foot in least diameter, supported by, and securely pinned to substantian side-logs, of a height sufficien. 'o give free passage for the water at highest flood; or one shutments of named least of the pinned to give a for the bulk of timber leid in time of four each way abutments of round logs of the and description of timber, laid in tiers of four each way, 10 inches in least diameter, slight, notekied upon each other, and securely pinned at the corners. Larger bridges to he turk in the same manager and of the same dimensions and descriptions of timber excepting that the stringers for water-ways of 20 feet are to be not less 9 inches brond by 14 deep or round codar peeled not less than 13 inches thick may be

• Norz.-Economy is effected by making the crowning only six inches on very dry ground (which merely provides ground levelling) when the nature of the ground and other circumstances admit of such being marked and provided for in contracting, or where work is done by a skilful overseer and a select party which, in difficult ground, is the best way of obtaining the best result from limited funds.

ith braces of d projection inks, or he jek and 23 wn on cac as well as oae to the ess. The I aterials to person autho moved a ro

6. The ake drains, greatest.

7. All s erenly and c sumps being ntions over read. The p -of cedar, v covered, 3 in are to be 3 fi otherwise, th be specially 1 to be cut eve whole to be t the middle, t ides. The over 9 feet in may be made previous to c

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nove the obstruction is rpose of wringing his out on the St. Manations as to the sale and tment of the rights a sold to netual settler he Crown.

want, A. J. RUSSELL

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All stumps in the down even with the grubbing has beer

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ollows where water 3 water-ways to be f required. They flatted; to be not ig to be supported eces. The top of 1 across the ends. no description of isions, resting on red to substantial est flood; or on of four each way, ly pinned at the dimensions and ect are to be not es thick may be

dry ground (which mstances admit of ful overseer and s om limited funds.

### OTTAWA AND PONTUR COLONIZATION ROADS

ed-with handrails 4 feet high; the posts and caps of which are to be 6 inches square it braces 4 inches square and 3 feet long securely shouldered in and spiked to the posts of projecting pieces of the flooring every 10 feet. The flooring to be of 4 inches thick pine lacks, or hewn cedar 5 inches thick, 18 feet in length, the projecting pieces to be 6 inches lick and 23 feet long boxed on the stringers. A binder 8 inches by 4 to be treensiled are on each side to retain the flooring. The posts of the handrails to be temponed with its well as the cap above and well spiked. The abutments and piers to be loaded with are to the depth of 2 feet haid on a flooring of sound round logs 8 inches in least thickss. The approaches to bridges to be raised so as not to be flooded in high water, and all

merials to be at all times subject to the inspection and approval of the superintendent or groon authorized by him. Chips, logs and rubbish, which might communicate fire, to be smoved a rod back all round bridges, and from the ends of causeways, and logging up ide hills.

6. The water to be thoroughly drawn away from water-tables or side-ditches, by offsite drains, 8 feet wide and 2 feet deep; or largor, if required to pass the water when pestest.

7. All swamps or boggy places to be causewayed or fascined. Causeways are to be stenly and closely laid, and hewn level on top and solidly bedded on the ground,-the sumps being first cut below the surface, unless where stringers are necessary to give elentions over water. Stringers to be at least one foot thick and four to the width of the md. The pieces to be of sound wood, 16 feet in length, and 8 inches at least in diameter, of cedar, where it can be had. Nine feet at least, in width, in the centre to be evenly overed, 3 inches in depth, over the highest logs, with earth from the side ditches, which we to be 3 feet wide and 2 feet deep, on one or both sides if required to draw off the water; wherewise, the earth to be obtained elsewhere. Where it may be found more suitable, (or be specially required at the time of letting the work,) in swampy ground, the stumps are whe cut even with the surface, 16 feet in width ; the centre evenly raised 6 inches,-the whole to be then covered with softwood brush and small trees, the tops towards and over the middle, to the depth of one foot in the centre, when compressed, and 6 inches at the ides. The surface to be closed with 3 inches of swamp earth, with 8 inches of hard earth over 9 feet in width of the centre, diminishing to 4 inches at the sides of the road, which may be made up with any earth obtainable. Causeways and faseining, and the grubbing previous to crowning, not to be covered up till inspected and approved of.

8. On steep sidelong hills the road is to be cut lower on the inside, and to be 12 feet wide; besides a ditch near the cutting, 18 inches wide and a foot deep. The face of all cuttings to have slope back of one foot, for every one in height. The outside to be built psolidly, with stones, or sound timber not less than 10 inches at the small end, with cross-ties every 7 feet. Or the side may be made up with a layer of soft wood brush, laid tops out, for every six inches of earth.

9. In forming the road, the earth is to be worked from the heights into the hollows; ad banks and ridges, where more excavation is not specified, are to be cut down 2 feet, if necessary, to equalize the road. In deeper cuttings, the roadway may be only 12 feet wide. In passing among rocks, or in very rocky ground, a passage of 10 feet in width will be sufficient, the points of the reck to be broken down, and the spaces between them solidly built up with stones, and the whole erowned with hard earth.

10. In descending hills, the water to be turned off every 50 or 150 yards, according to the steepness, and at the head of all cuttings.

11. No earth work done later than 31st October will be accepted or paid for this season.

12. All trees that fall on the road till finally received, to be cleared out, as well as any overhanging or other timber, or trees that may be considered likely to fall into the road.

13. If the work be not commenced within 10 days after the day on which it is let, or should it be abandoned for 10 days, without sufficient reason being assigned to the satisfaction of the superintendent, or should the contractor, or any person employed by him, refuse to comply with the instructions of the superintendent, or person employed by him to oversee the work, the superintendent will be at liberty to annul the contract, or employ men to do the work at the contractor's expense; and should there be less than six men

### OTTAWA AND PONTIAC COLONIZATION ROADS.

employed for every mile contracted for, the superintendent will be at liberty to make the number, by employing men at the expense of the contractor, should he see fit. 14. No work to be sub-let without the consent of the superintendent. 15. The work to be completed before the 1st November, 1861; but should more

one half of it remain to be done on the 10th October, 1861, the superintendent may employ men at the contractor's expense to complete it.

16. Persons abandoning their work will forfeit the work performed.

17. One-third of the price will be paid when one-half of the work is done, and remainder when it is completed and accepted; but the contractor's securities are to ree the balance due, or any part of it that the superintendent may consider them cutiled should they be obliged to complete the work, or any part of it.

18. The contractor is to give the best accommodation in his power to the superinte dent, or person appointed to oversee the work ; such accommodation to be paid for

The Commissioner of Crown Lands will not consider it necessary to accept the low tender, nor to let the full extent of work advertised, should he find the rates proposed high.

