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Review of Elements of Strength and Weakness of Carada Capability of the United States to attack.

The fruitier of Canada is assailable at all points. In some places, it is constituted by a line only visible on a map, in other it is a large lake, in others a river. Coincident with it runs the fruiter of the United States.

this country lies in also long frontier and of all hisportion to its population and resources. Its defence
must depend upon the mainlenance of 4,000 miles
of communication running parallel to an northern
boundary. This line connects provinces more
or less isolated by physical barriers.

Lain region Stretches from Labrador on the last along the Lone St. Lawrence and Ottawa to Lake Summand theuce to the head of Lake Suferior. The Rocky Montanis and the leascade or looast Range wit their intermediate ranges reduce the habitable area of British Columbia to a few valleys along the coast of Pryst Sound. Believe these principal ranges lies the fine agricultural territory of Maintotra, in contact with the equally feetile and better populated regions of Minusota and Dakota, but reparated by a barren region of weeks and hills from the rich province of Ontains. The lastern minutain system besides narrowing the available territories along the St. Lawrence, also forms a barrier between Quebec and the Maintime Provinces.

The New Brunswich Railway sums to be arrested by this abstacle near the north. east angle of the Maine funtier, but it is skirted by the Intercolonial Hailway, which fol logos the south bank of the St. Lawrence. This line is extended across the continent by the Canadian Pacific Railway. These railway lines extend for nearly Lago whiles parallel to the general Course of the St. Laurence and the Great Lakes. Nest of Lake Superior they com-fett only with the railway System of the United States. The fact that rangation is interrupted by ice during I months of the year funishes a partial explanation of the Extent made to complete these connections. The Intercolonial Railway of fords strategical advantages in any war: but the western portion of the Canadian Pacific will probably be a source of weakness in an with de United States, Though as a naval base in the Pacific it might become valuable in an with

nincin, limited by law to 750 men, and there results as pregular force less than one-lenth as strong as the army of the Muited States.

as strong as the army of de Muited States.
The active militia of Carada comprises atmit 37,000 men: the organized militia force of the Muited States is about 3 times as strong The discipline in each case is about the Dame, but the militia of the Muited States are better

equipped and dilled.

amounts to 600,000 men, about 15 per cent of the lotal population. This number is obtained by the enrollment afall men of given age in various classes. A similar Invollment would give the United States levelne times as, many men, or nearly 8,000, oar in all. A more significant of que can be abtained by taking the returns showed the number of notunteers raised in each state for active service during the war of the rebellion. Reduced to a three years' standard this gives an aggregate of 2,320, 272. Increasing this by a fair profuse tim for the southern states hat represented in the national army at that time and allowing for the increased population, it is brident that our available reserve is limited only by the difficulty of arming and equipping such large bodies of men and by the strategical openings for Heir distribution and employment.

The chief and most effective force that comed he employed against the ceties of our morthern frontier would be that portion of the British Mary, which could be sent through the St. Laurence barals into the Great Lakes. The number of nessels fit for this manightim is considerable. Facilities for lightering coal, stores, or guns through the barals is at hand and in daily use. At present, only 9 feet of water can be carried through all the barals, but improvements now in slow progress may result crentically in 14 feet of water for all looks: this usuals in crease the number of ressels capable of raigating the lakes. Though some of the gunboats in lists compiles so far are of low speed and indifferent armament, yet the new types of loopeds cruisers and toppeds. Catchers will soon replace the more obsolete vessels to a large extent.

England has not sufficient grus in readwith efficient armaments. In this respect she is only slightly in advance of the United States, while our lorinage and ship hulding resources on Lake Eric, Allen, Michigan, and Superior are greater than there of landda. The longle shippyands are ready to supply any demand for from or steel sleamers for use in la nadian waters. Should the St. Laurence Caralo remain in Canadian hands, they would have a great advantage in the light-draught wessels of the British chang available for all acking an ports at short natice. The wealthin cities along the Lakes lie directly upon the shore and cannot he protected from bombardment by any batteries a land forces. Our nay has heither Junboats nor torpedo boats. Whe such vessels Smit they amed not be transferred to the lakes from an sea-board. The admission of a British naval force to Lake Eric by the Willard learned would compile the fortification of the Detroit and set. Clair Rivers, the Straits of Mackinac and the Sault Ste. chavie and the maintenance of large garrisons at lack of these boints. It should be remembered that during the winter months, the It Lawrence is closed to navigation. During the Same season land operations are difficult. Canada is dependent upon England, to a large extent, for manufactured goods. Inon one is produced, but most of it is shipped to the United States. Manufactures of railway material and agricultural implements have been stimulated by Hariff and ather causes. . cho manufactory of small, anno exists in Canada. There is a cartridge factory at Quebec and a ponder factory at Hamilton: Int Carada is still left for inferior to the United States, which has abundant resources for the supply of arms and ammunition to thoops. The defenses of landa are nearly all of obsolete type armed with smooth-bores, converted M. L. Palliser Nifleo, and Armstring guns of an early type. The defences of Holifax alone constitutes an exception. Ito reserve of modern guns affects to exist and England is notably

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deficient in high-porced breech loaders for the armament of ships and offorts in the colonies. The ship-building industry of Carada 1898 is defendent upon the timber-supply. Like that of chaine, it is engaged chiefly in turning down out wooden sailing-ships and schones, and sing is hence an industry of little importance in war. Iron ship building has some importance on the Great Lakes, Kincipally at Buffalo, Cleveland, and Detroit. Both the United states and Canada have abundant supplies of provisions and stores of all kinds. The railway system provides for the distribution of shplines and is adapt ed to military requirements. In neither case, is a deficiency of railway stock probable. In the United States are parallel competing lines between the Atlantic and Pacific. No attack from the frontier or the coast and interrupt all after or prevent the transfer of trains from one to the other by cross-lines. The Canadian promises, homen, ale linked by single lines, having relied upon American railways to carry their produce to market. This has been the case respecis closed by ice. The object of an attack on leanada would include the protection of our lake ports by severing to line of communication afforded by the St. Law. sence and Willard Caralo. Should was break out ed against the land communications, especially the Intercolonial Railway between Quebec and Halifax. The attack on railways parallel to to fintin and be predating at the contreal of an and until one forces were mobilized for active operations. The attack of our forces would be duet ed so as to prevent defensive operations and to sere to Dominion as a whole from Communication with England and the privinces from each other, The British altael on the atten hard would be predating to a large extent. Undefended cities amed the bombaidld, private property and public buildings destroyed or threatened for purposes of ransom. Such is the nature of naval attack against rich but poorly armed nations. The damage that could be done by a few quintoats them a city directly on the lake thise

is brident. Unaimed shots might be fatally destructive and the incendiary effect of shells would equal that of their explosion. The industries that have enriched these cities and the ar-Chilecture of a rapid growth are peculiarly liable to destruction. Modern high-powered guns of six or light liches calibre unedbe highly deffective at ranges of 6000 to 8000 yards while few gumes umedelaim to het a moving object at such ranges.
The funtion of the Proma of Quehee is Conliquous to the territory of the United States for a distance of about 450 miles, that is to say 167 miles of imaginary boundary along the 45th parallel of Catitude southward of Montreal and Quebec, running from St. Regis, on the eastern Sive end of Lake St. Francis (an expansion of the St. Lawrence) to the Connective River, in the lownship of stereford, abilting on the State of New Stamp shire. Thence in an inregular line the bruid grand which forms the water shed between the Kennehee River, in the United States, and the Chandiere, a tributary of the St. Laurence, running montheast, which brings the territory of the State of Maine to within 25 miles of the St. Lamence, apposite Rivière - du Loup. est this front, the Intercolonial Railway is close to the findier, which from this first was south last until it meets Dominion territory in New Brunswick. The desadrantage to the Canadians of having a wedge of our territory thust into their own is not so great as might appear at first thought, the country being rugged, conered with forest, and thinly populated; then are no natural commercial lines, nor any railroads running through it to the north the water-shed north of the St. John's River heing to the St. Lawrence prevents the River being to the St. Lawrence prevents the formation of any long or nangable tributaries to the St. Lawrence: there is therefore, no natural channel for intercommunication or commerce from the northern angle of the state of Maine always follow natural channels, no rivagian of landa has ever been attempted from this fint the nearest to it being that of General atmost, who followed the line of the Kennehee and Chardière Rivers. On the other hand,

if the Intercolonial Railway should remain intact and uncaptured and offensine operations from blanda should take place in the direction of the Penoberat Valley a to seize the hiple railroad terminus of Woods toello, Richwood and Aultin, leading to It John, ct. B., Their re-entering frontier under from an arrantageous base of aperations to the Caradians backed by Quebec and the St. Lamence and the Intercolonial Railway. The Grand Trunk Hailway and others on the south shore are now supplemented by railways an the north shore of the St. Lawrence and the lakes, with their usual telegraphic lines, the whole forming a series of communications which uned enable the leanadian hoops to act upon what are practically interior lines and so comcentrate readily upon important strategic points. Canada suffers great disadvantage in to prosecuity of Montreal, her chief city, to the frintier. It is upon an exposed site and totally undefended. Canada would be cut in two by the capture of Montreal, which is the head of the sea navigation of the St. Laurence and the focus of tall continuince ations by land and water between Upper and Lover Canada and the mailine primices; the defense of the country homed be severed; Onlares being cut app from Quebec and the mailtime provinces as well as from any aid from Great Bulain An every halding - Montreal with its network of commutacications converging upon it from his basis of supply, could maintain himself in the island on which the city is built, cheell any force coming from Ontanio, hold the Communnications to Ottawa, to capital of the country, while he proceeded to lay sign to Quelec. The St. Lamence itself, with eto tribulary of the Richelieu Caral and the roads and railioner Lollowing the line of country in a north-lasten direction would become fresh lines of Communication catan and supply to an enemy operating against Quebec Believen Soronto and Skingston are Port Nope, Cobourg, Victor, Deseronto, and Ernestown on the line of railway, all of which present facilities for the landing of an onemy: at any one of these pails a hotele accupation would cut the com

munications with the west at once; and in This respect the position of the Grand Pound Railroad

No.

so close to the shore of the Lake is a disadvantage in war. Here too our side of the Lake has the adranlage that the main line of railway - the hero Lake, cross lines connecting it with the principal ports: and though another line runs close to the thore higher up, yet there is no position on our side that has to fear in the same way the attack of such a force as could be calleded at hingston. The frontier of barada is assailable at all points, and the best granante against invasion would be complete raral supremacy on the Lakes and rivers, because they constitute the most access ifle roads for the invaders and the most serviceable barries for the defenders, if they have the able barries for the defence. I give vane the people means of defence. To give any chance of successful resistance some equality of naval force on the part of the unaded is almost in dispensable. By the principle which forbido a dependency equipping ships of war in time of peace, banada can not provide this naval force. Besides, she has not the means now. Great Bilain has a formerful flut, but she is 3000 incles from Tak Outanis, and only criminal careless. ness or in activity on ampait will enable her, quiboats to pass above Lake St. Louis or the Beautarnois Caral. Although on nay is For inferior, yet we are close at hand, and have every advantage for building bessels suitable for warlike operations in Pinland waters and caralo. Lake chichigan with the enormous resources of Chicago is entirely and on and the forsession of such a base is an advantage which is by no means country. balanced by the English position on Lake Huron. And for this reason loo, it is not probable that England would attempt to cafe with us on all the Lakes: this same reason, added to the position of her more improbant porto and resources, henders it a certainly that she will make every attempt to concentrate her strength or Lake Onlario and in the St. Laurence.

## Plan of Operations proposed

The physical features of Canada, the distribution of her population, and the situation of her most important cities and strategical points, suggest three unading armies from the United States to secure the conquest of the Dominion. One of these armies operating by way of chain would cut the Intercolonial Rail way and capture Halifax, disabling Nova Scalia and New Brunswich: the second ging by way of Lake Champlain would capture Montieal, thus dividing Canada wito two parts and prenenting the eastern and the western provinces from lend ing assistance to each other or combining in an invasion of the United States; after which it would proceed against Quebec, and Ottawa; the third would invade leanada by way of the Ne. again Kiner, capturing Stamillow and Foronto and reducing the western promises to submission Presuring that these lines afaction should be followed, it naturally ensules that leanada must Encentrate her armies for defense as follows: in the last, at Halifax and thence westward to Fredericka, ct B: in the west along the line of the Welland leanal and Niagara River and about Stamillon and Sorouto; and in the central portion at Montreal and thence to the United States boundary by way of St. John's, Inebec With the present disparity between the names of the United States and of England, our own nessels will be left at home as a defense for our our ports. On policy as regards attack will be defensive rather than affensive. And should an Nany become suffice wintly along or victorious to attack the leavadian ports, the greatest advantage will be gained in the leanation seabound by the attack and reduction of Natibax and of st John's A. B. It is not probable that at the beginning ofwar, our own squatures will be

than afference. And should an Namy become sufficiently along or victorious to altack the leanation ports, the greatest advantage will be gained in the boundian seatoured by the attack and reduction of Natifian and of St John's A.B. It is not probable that at the beginning african our own squadrins will be able to all delb this city; with most afthe nessels for firm home, and with a small force, it will require a longer time to mobilize them than it will for England to despatch a sling agreedom to defend the banadian court line. Bleides, the fend that precedes the declaration afrom between two such powers will enable the government to send such force in time to be present at the outbreak agreed during the revolutionary was was one

of the Chief Stations whence the Reyal Forces were

directed upon the American Colonies; and although railways modify its importance in this regard now, yet in winter it would serve this purpose especially, to-day, The presence afthe naval station at Habbay still further increases the impulance of reducing chora Scotia to terms; and though operations on a large scale at sea might been impracticable as against the supe. be used too pants of rendez- vous for occasional allacto against the ports of charol Brunswick and of Stora Scatia. Whateva be the result of our naral operations, the importance, of stora ocatia may be much impaired by the capture of Chiqueto Isthmus, which between Sackville, at the head of Chiqueto Bay and the Bay Verte is only 12 Miles loide. But this must be the work of the any or else of a combined attack of the any and fleet. The most favouable time would be at the authreak of war. An army morning by way of Eastport, Maine, utilizing railbays as much as precise and capture St. John ch.B. Fredericklin, and advance to the Chiqueto Doethurs. The distance fine Eastfort to Sackville is about 120 miles. The force should be sufficiently strong to keep open the base of supplies and communications with Eastport, while accupying the Tothurs: and additional value unded be given it if while doing this, delachments there pushed to the westward along the St. John River and the railway to Dalhousie, destroying arm. munications, informationing the country, destroying depenses and flanking the energy in conjunction with the firstal advance of am livops from stewyork. Verment and other points along the finities. The chief assistance stat could be undered by moral resuls would lie in the reduction of of Western chova Scotia and in keeping the Bay both the Jothuns in possession of our forces, the communications of Halipay with the west by land uned be stopped and hence all lianspolation of troops, supplies, or other malerial one the Intercolonial Plailway. This would be a serious blow to the enemy especially in counter;

by culting aff the greater part of its food supply

Besides, this position can be reinforced and sliengthered and the masim of chorascolia can be continued. The most difficult as well as the most impulant point of captine will be stalifage but ite reduction of the renlander of Nova Scotia will be comparatively easy and by holding Chiqueto Isthmus, the importance of statifax to the enemy can be reduced to the greatest minimum short of actual capture. If the army and fleet sent a Equiest characotia are successful, that prome and chew Brunswick will be porreless to assist the remainder of Canada and with our menus of reinforcement, it amed he impossible for Eng land to them an army into leafe Breton Island in any point in chora Scotia ital could hapeto cope with an forces., To have the south bankof the St. Lawrence becomes then an easy matter for an army to the westward, operating from Lake Champlain. The military authorities of Canada do not regard Halifax as, in any sense, a safe base for operating in the inland defense of Cauada, however valuable in other senses. To capture Halifax, Lan, or to hold the Chignecto Jethnus shuts out all chance of assistance from stora Scotia a via the Intercolonial Railway; while at the same time an army advancing byway of Lake Champlain and capturing It John's (Quebec) and Moutical will divide Canada into two parts and cut off all assistance from Ontario on Western Canada. Besides this, an alt acking force should be sent towards the northlast against Luchec from St. John's any number of troops can be poured readily into the Promice of Quehec by way afthe Hudson River and Lake Champ lain or by way of Durlington and St. alkan's Vermont, with de view of concentrating at Farnham (Quebec), and advancing towards the city of Quebec: while at the same time the great network of railways in in New England is taplically favorable for schoing large quantities of troops and stores against Queble. The two branches of the Shand Trunk Railway to Sat land and down the Connecticul Riner to new London, Can be used for concentrating troops at Shubrouke or Waterloo - preperably the latter since St John's and Farnham are fine strategical points and probable site for massing our out forces The promise of Quebec South of the At Laurence becomes by this a large theatre of aperations . As the anny

resurces, and by means afthe railways of new

England should thep itself supplied with needed stores. Desides, the country is well-walnut by numerous steams and lakes, and advantage shouldbe taken of the network of always concentrating at Sherbroak and Richmond and of the two main lines leading to Quebec itself for from poses of transportation. It is also possible that with Monteal in an possession another anny advancing to the northward of the St. Lawrence and either attack Quehee or threaten it as dumed most advisable: for lither uned be altended with unusual risks if British gunboats Keld the rine and the Tulber army were very strong, The captive of Montital means also the hossession of the Lachine leanal and the impossibility of the enemy's gunboats passing into the Lakes It is not probable that we shall be able to hald the Saint Laurence with a flut. Though we may be able to hald the southern bank of the St. Lavience with an anny, the enemy's gumbouts would be able to reach Shelve and would peobably do all in their hower to embarrass on forces by pahalling the St. Lamence between Quebec and the nearest point bound Montreal that They can reach The transportation of lapedo brato is a feature of war that is yet undeveloped; but if while Ralding the southern bank, our forces should be unable to block the river with topredues or other abstructions, every attempt should be made to drive the enemy's vessels out of the river or to army then do much as possible by lospeds houts, With Montreal in our possession lopeds houts should be shipped oner the seneral lines of railway leading from the Muted States to that city and started down the River towards Quehec firmthat point. They can be shipped also by way of st John's Farnham, Waterloo, and Sherbroake to Sovel or to Doucet's landing both of which places aren the It Lamence, and are connected by branch lines with the Grand Junk Railways Montial or Soll can be used damage to us will be little and they may be able to dire the British ressels below Luebec, may sink some of hem, and in any event would andry the enemy no little and uned seneously traped boats should be small and swift and the greater the member, the better. Every allempt

should be made to place torpedaes in the river above Lullec, or else to abstract the channel, which is shallow To allow Montreal to remain in the hands of the enemy is to give them the power to concentrate there not donly all the forces of Canada but also of England, arriving though Quebec. Not only toops but supplies and stores of del kinds could be massed there and an army strengthened in every way. Our railway plain and to the lastward of it in new England Tire us great facilities for the transport of an army to the frontier Albany should sine as one point afthe base of operations. The Blankarners Caral on the south where of the It Laurence skined be rendered reselves at the Commencement of Kostilities by our forces. The St. Lamence between Kingston and Montreal is of opecial value to us in war and should be held at the earliest moment possible. While the capture of Skingston should take place as seen after histilities begin as possible and the St. Law Unce from the Lake to Montreal held with even Lake or riner sleamers fitted int at Rochestar Oswego, or Ogdensburg till gun vessels can be provided yet an attacking anny should not advance upon Montreal from the Unestward If it Can be avoided; because such a course uned only rale up the defense along the lines of Communication loward the point of support and base of supply instead of cutting it in hos by an attack on the center. The advance therefore should be from albany or by way of Lake Champlain. The Capture of Montreal amed give up a base in the enemy's territory from which his most important otrongholds "Quebec and Ollawa, can be attacked. Geration can be diected to the morth-lastward against Quebec, and to the northenest against Ottawa, latting advantage as well of the allawa Ativer and its ralley-It is hardly to be expected that at his stage of war, any vessels of our fleet usued engage in the capture of Montreal. Ihald, honever, the attack be made from the west. fitted out on the Lakes should descend the 'At Laugence and bombaid Monlieal. In the advance from the South, anal.

vancing army would meet with resistance from It. John's , Quebec. The site of the ald redoubt at that first commands the railway bridge of the Nermont Central, the junctions fundouses Point, Waterloo, and the Passimpore; the Richelieu River Canal, and the roads unning north and probably be foundat Int Isle-aux choise close to Rouse's Point and St. Albano Rudway junction. To present our forces from passing reskels down the Richeliew River from Lake Champlain, for the transport of troops, stones, and material forthe attacken chartreal, topredues until probably be placed in the riner on either side of and flankedby the first at Isle-ana-choic & this fort were captived, the every in retreating would destroy to canal-lock in the Richelius River, Advanced bodies of broks at Lennoynthe and Richard Railway Junetim und retire on Quehee, destroying the railway bridges behind them. In Albany, we prodess an admir able primary base of aperations against banada, The Audem River is an open highway between et bany and chew york City, and railways and lesen rivers (by way of Lake Champlain) Connect it with the St. Lawrence, Lake Ontario, and on great centres of resource and in dustry. Albany is copicially suited as abase against Mulical and Quebed. Anse's Point, at the of Lake Champlain, wined serve as an immediate base for the collection of supplies and the concentration of an army whilst Albany uned become the great deport for the wat. The chargook Central Railway with Utica, Syracuse, and Rochester, uned hel the great base to the westward for on army operating along the At. Laurence and Lake Outaris against the Canal, Prescott, and Kingston. A Strategically Prouse's Point is the key of Lake Champlain. It commands every vessel passing up or down the lake between chew york and banda. The point projects into the hammest passage by which the waters of the lake pass wito the Richelien. Any nessel passing in or out of the lake must some within lasy range of the gens of a fort creeded in this point; also head approaching the fort, head on, usual be reposed for severallules to a raking fire from the battery, before she

could bring her broadside to bear upon the font at all, Ottawa may be regarded as the apercof a triangle whose two other corners are Montreal and Kingston. Its have becomes then the St Laurence River and its other two sides are the Oltawa River and the Rideau Caral. Prescott is near the centre efte base, and its distance from Ottown may the regarded as the altitude of the briangle. The Ottava River is imputant not only on account of the facilities of transportation but of the resources of it valley in the way of food supply. He Ridean learned affords facilities of internal communical The St. Laurence River adds great facilities in transporting both troops and supplies and is the highway by which England may them gun boats into the Lakes for the destruction of our Lake ports. attawa as the seat of government for all of barada, as a city of really 40,000 feeple as a centre of wealth, hade, Rolitical, and military influence, is afgreat strategical importance and its capture should produce not only a great moral effect on the enemy's loops but would add largely to the military strength of un own firstim. Present is the focus, in a serve the St Lawrence and Ottawa. It becomes thereby the key of the approach to Ottown from the United States and on account of Fort Wellington has a most important bearing in the retention of the It. Lanence by England as a highway for her gunboats. army of invasion advancing by way of Toronto will be to proceed lowards Ottawa; and one wing of the any that reduces abouteal will find its natural field of operations in the direction of Ottawa. The triangle then becomes one afthe sking theatres apbattle. It skirts the boundary of the United States from Kingston by way of Prescott to Comwall: it's Dome, Montreal, is only 30 miles from the boundary line and its apex only Hy miles: it's ather come, Lington Ollawa, is not only nelse the boundary but must become a naval slunghold as well. Its base, the It. Laurence, contains an important system of Caralo And within its area lie the Grand Frenk and the Carodian Pacific Railways which with their Con

meetins add greatly to the shategie impulance of both abuntheal and Oltawa and also of Presents. The St. Lawrence River fermodingston to Materal must become the great line of defense or of invasion either for the United States or barada, as the abroatoge is with the one or the other And while Multial and the Welland leanal rinte must be the primary prints of defense against invaining yet in order the product Oltawa and the great railways in the limits of its triangle and to keep after the St. Lawrence and its line of caralo, an army must grand the line from Skingston to bounded, learing to the chantial army to secure the bounded bearing to the chantial army to secure che sext of the base. The principal part of their boundaries army must be stationed, in and around Drescott and Brockville.

to English gurbout ishould were be able to pass Mulical and especially to enter Lake Ontains agdensburgh is a railway centre, directly opposite Trescott. One of the first sleps of a force at Og. densburg should be to plant torpedaes and to sink abstructions between Chimney Saland and the point of land opposite 33/4 miles below agdens. burg. The Channel Kere is from so to 30 feet deep and soo feet wide and is in the American side of the River. Ships must though it to reach Irescatt or the Lakes. The channel on the learn diam side is 9 feet deep and only river boats our faco though it. Every altempt should be made to destroy Salop baral which might be accomplished, if direct altack fails, by a few guns from the banks on the American side of the River. Josedo houts, shipped by rail to Ogdens bring, could be launched near the mouth of the Osme gat chie Riner and used against the enemy's gumbouts on the rine above or below Prescott. at present the walerways of the Canadian

at present the walerways of the bandian frontier are much exposed. Whilst great Brit lain retains her supremacy, the St. Lawrena is open during the summer and can be hipt free by announced vessels as far up as almost along the St Lawrence are of vital importance to banada: but it is not probable that she will brild forts along them and it is not possible to defend a land by simply quarding the locks. I ban dian brooks seeme the St. Lawrence, English gruboats will ascend the River into Lake Unlane and are can not hope to maintain orpumacy

there and scarcely to defend our important ports like Oswego and Rochester The Blankar nois Canal Las a very unfolunale position from a military slandpoint; and the Morrisburg Caral like the Galop, can be shelled and deslinged from our our shore, Chather important point affecting these Canalo is that the majority of gurboats draw more than 9 feet of water and only the Lachine leand (12 feet dep) will permit the passage of a vessel of greater draft. Congland's resources, even if she were to hold the river are limited in consequence. Tighter and smaller lorpedo houts could pass the Caralo but the longer mes und not enter the locks after passing Lackine. as a chain of great frontier fortilesses can not be established a maintained it amedbe the holicy of the Canadian forces to cover the approaches to the Mil nerable points, so Lat Ottawa, Montreal, and Duchee uned be defended by forces futed on earthworks, to which must be added the garnisms of the Levis forts at the later point and the squadrin in the river as far as Montreal at least, where gunbouts in Take It. Louis would couppert a tole dupont at Naudrewil; and there lines of defences uned further be conceed by antienches camps at Present and at Richmond or Belleville, west of Kingston, and by the fortifications of Kings ton with to gamion and the sufferting squadren whose headquarters uned be at hat pout ( Su Registe no. 7455 for plan of attack of Kingston: also Chapter XI) For the plans of operation against the Willard Canal and frontier along Miagara River, sa my Intel. liquel Report on the Welland and other Canals of the Dominion of Canada: Regista no. ? An inspection of the map will show the Nelland banal running from Port Mailland and Port Colbone, on Lake Erie, to Port Dalhousie on Lake Outanio. The Command apthis Caral would be of the greatest importance to the Canadians as a part aptheir own learnitory and especially as allowing gundoats to pass between the Lakes. On the continuo, it would be equally valuable to our army of invasion as establishingth water Communication of like purport mixide the Falls of Ningara: but it would be difficult to ob tain such Command to as to prenent the destine tim of the bandle by the British forces and rende it useless to our army or navy. The line of it will be defended, and British garrisons will be stationed at Fort Enie, Chippewa, Stam ford, and Niagara to resist an awading army.

At Fat Enie is an insignificant work; but with that exception the line afthe Wellard Caral may be considered as open and depenceless but not as indepensible. The Niagara Riner is not broad enough to prevent hostilities between the banks and no practical advantage would be gained in a campaign by any operation which did not settle the fate of the Welland Canal, The locks will permit wessels 270 feet long with 45 feet beam, and drawing 13/2 freet of water, to pass between Laked Eric and antaris; and it would be unportant to the ba radians to prevent our forces from getting pas session of this band. Nor would it suffice to the Canadians to give up resistance and desting the leanal by injuring a lock and the like, for such an act and militate against their own line of communication which is made impulant to them who are not only inferior in possible military forces but also in transport power on the Lakes. To defend this large, it would be necessary to establish a welldefined system of field works and permanent futifications to cone the lermine of the banal the feeder from Port Maittand, and the approach to It Catherines. At present the defensive means of First Erie and Niagara modern artillery. Hamilton's situation in a great agricultural region will make it a great depot of provisions and supplies An the army at the frontier or defending the board. It armed become also a rendezthe defense of the banal would extend Sime Hamilton by way of Brantford to Sim cal. Jum this base only 38 miles long, troops and supplies of all kinds can the shipped to the learned by the four lines of railway between Hamilton and Sincae, on the west, and Niagara River on the last. The industrial and manufacturing resources of Hamilton and its vicinity will great posses of increasing its facilities for transport in the locomottnes, cars, and wheeled wehicles that can be made there. with energy and despatch, a squadren filled out at Oswego could reach stamiltin and Jount

and destroy them without difficulty very som after the opening of histilities. But as long as Toronto remains in the hands of the English it will be thekey to Central Ontanio to all the populous, well-cultivated, and wealthy district believen Toronto and Lake Simone on the west and Kingston and Ottawa on the East. An army drawn up begliveen Foronto and Lake Sincoe on the north, Lolding the railways ard in a strongly entrenched position would render to conquest of Central Ontario defficiente to a victorious unading anny from Magara up to Dorouts itself: It amed furthermore secure these important railway communications of Canada, which must add in the great Montical is captived and they are severed. With the resources of Chicago, it would be difficult for the English to estate Oras da lioh a naval force on Lake Auron; and with Buffalo, Erie, Cleveland, Sandusky, Toledo, and Detroit on our side, it should be unporsible for them to do so on Lake Erie. at maral descent on Pat Colbone, ite Lake Eric termines of the Welland Caral, and on Ports Doner and Stanley would deprine the leanadious of their chief ports on Lake Erie; and another on Soderich would destry the chief shoughold on Lake Auron. Our armies Wo should winade Canada from Lockfort and Buffalo by way of the chiagara River: While the many railways to Dettoit and Port Huran would enable another force to attack the western leanadian settlements between Lakes Aura and Erice, capture Saraia and Chatham, and advance on London, a city of 27, ava people, and a very important point athorition the two lakes and the several railways centering there. Our army from chiagara usual meet a strong resistance on the line of the Welland learnal coperially between Meritton Front Hill and St. Catherines, and the desling the learned and concentrate on Brantford and Hamilton; and if disladged from there, day uned retreat towards Guelph. If in our naval descent on Goderich a force were landed there, its objective point

would be Stratford. This place and London, being railway centres used be held as long as possible; and when captured, Guelph would seme also as a point of concentration for troop falling back from those places. To root would become the natural point of concentration for troops to be the natural point of concentration for Troops retreating from bullph or Hamilton. In plans of capture, of Torruto, see Chapter XI, Very respectfully, Chailes Alogers Lieutenant, aschang, Intelligence Office.