upon the efficiency of the army, but upon the military organization of the whole nation.
The question of the value of fortifications as a protection against the new engines of destruction, devised by modern ingenuity, has also had considerable light thrown upon it by the present war. But the Crimean war bind already demonstrated the value of improrised defences, as did also the late war between the Northern and Southern States. The sieges withstood by some of the temporarily fortified positions in the south, were quite as prolonged and perhaps quite as earnest as that of Stras. burg. Yet Strasburg has fallen, and from having been a protection to France as intended, it has become a serious menace. The few border fortified towns which France has lost one after another have not only proved sources of weakness during the war, but their very existence complicates negotiations for peace. France cen scarcely surren. der, or even dismantle them without loss of dignity, and Prussia can hardly aceept a peace which would leare them untouched. They thus complicate the relations both of peace and war, and we may sately say they add immensely to the horrors of the later

This subject is not without interest to Camada, as the Imperial Govermeni. in pursuance of a six years' old agreement, has passed a guarantee bill for a Canadian loan of five millions of dollars to be expended in foritications at Montreal, Kingston, St. John. N. B., and perhaps a fer other points deemed to be of stratagetic im. portance. If, however, Cammat, by her delegates in 1864.5 , had bound herself to the fultiment of this compact. she is certainly released from her bond by the words of Mr Gladstone. the Prime Minister of Englimd, who declared that the Imperial guarantee was given solely because of its having been solicited by Canada, and mot in fultilment of Imperial police. We understand, therefore that the tendered guarantee may or may not be utitised. according to the judgment of the Camain Govemment: and that, in fact, the refusal to expem the money would be no dis. appoinment to the Imperind anthorities. If sucid be the state of the case we are timmly convinced that Canada ought not to raise a dollar of the loan. Uur border line is too immense to permit of a complete system of fortitication, and isolated works would but chain the fighting part of the population to particular spots, to an extent that rould render operations in the open field impossible, except at an immense disadvantage. As we understand the action of the Imperial authorities at Quebec, the fortifications at Levis are simply intended to protect the citadel. The immense range of the modern engines of war in the discharge of projectiles, necessitated this precaution, if Quebec was to be maintained as a strong military position: and hence the lmperial fortifications at Levis do not imply any Provincial obligation. The fact is, simply, that the heretofore impregnable position of Quebec had become exceedingly valnerable. from the progrese made in the invention of powerful siege guns; and therefore its fortifications. like those of latis, had to be protected by other fortincations in order to preserve their value. Any country can afton to pursue. with adrantage, this policy in respect of one or two strong positions: but to attempt to extend the system to every important town would be an act of madness. Fortifications present one of two phases to an enemy-an eligible object of attack, or an olject to be circumvented. at a safe distance. But the enemy who attacks Canada from the sea cannot circumvent Quebec: it is, therefore, confessedly the right place for the most complete system of fortification: it guarantees free communication with the seat of empire, and while it is helia, renders the conquest of British America impossitle. But can the same be said of Montreal or Kingston, or any other point included in the proposed system? No: If the enemy thinks the place too strong he may pass it $b y$, or he may detaila force to mask it while his main body scours the country at leisure On the other hand, knowing that within the charmed lines all the treasures of the foe wiil be gathered, he may sit down around the fortified city and either storm or starve it into submission. Once beleagured, the strongest fortress must yield in time, because its strength is limited, whereas the besieging force, having open lines, is practically unlimited, in tha; it has the whole strength of its country at its back. It has also been abundantly shewn that extemporised defences generally prove the most valuable, and hence, whatever money is to be expended for Canadian "fortifications," ought to be invested in the most approved arms and munitions for field warfare, and the training of the people to the use of the rifte, the pick, and the spade. The building of the Forth Shore railway would be a better service for the defence of Montreal than any practicable system of circumvalla tion that can possibly be devised.

Now and then they cut off the ears of a horse thief in Oregon, and then telegraph eat
than they are this geason.

## THE NORTH-WEST TERBITORY

## No. 13.-British Coluybia.-Fisushirs, do.

By the Rel. Ain. Me D. Dawson, Ottrara.
The extraordinary abundance in Britioh Columbin of those ish which ascend rivers and penetrate, in great numbers, to the highest halitable ladd of the interior, cannot be meraly accidental. They form the staple food of the Atwriginal Indian. They are rs necesenry to him as grain and bread to mania a civilized state, or as the plantain and baman to the dwellers in the tropics. Improvident, as sarages genemaly are, we fand that they cxercise wonderfal foresight in trensuring up supplies of salmon. They literally harsest them, as we do our grain crops. And not without goom canse, but for their care in trapping, curing and garnering the fist which visit the remotest inhand regions, in the summer months, they would certably die of hanger in the severe winter season. At this peried of the year, so terrible in the more elevated farts of the country, the thermometer falling as low as $30=$ Falir. below acro, no other resource is available. During six months, at least, there is a depth of suow in the more mand an mountainous regious. The hirds migrate to warmer clines, the animals that can bo hanted and caught in summer, retire to sechuded spots where it is very didicult, and ofen impossible to trap them. The rery bears go into inaceessible winter quarters; so that the poor Indian, in his smail leiger mate of hides or rushes, must meet a miscrabledenth, starecdalike by cold and hunger, if it were wot for the salmon which he takes and cures in the summer months. Dried in the sun, i posseses, unimpaired, its heat and fesh-yiclding qualitios The ladians that are remote from the sen-hoard, chere it, anooked, all dar long, and thus retain their emtonpoom hroughout the cold and dreary winter time. What pori dential arrangement! By means of the imbumathe wate: was, are wafted, free of freight, to dee deors of every wigwan nexhanstible stures of both food and fuel, - itel, inammeth a the dried salmon, retaining its oily and mutritous substance suppties the caloric which is necessary to sustan life, in thon
wretched abodes, where the Iadian famithes cow and shive wer their smouldering log-fires, that are but ill-calctated even slightly to moderate the cold, biting wiater blasts, which penctrate the fragile and sieve-like structure
As the salmon bartest is of sued importance to the AberiFines, it may be worth while to considee by what means is is reaped. In the bays and barbours they use a net about forty feet long and eight wide, with large movhes. The upher edg. is hnoyed by pieces of dry cedar wook, and the net is liept $i_{c}$ lit by macans of small pebbles, slang at distances of four wa along the lower margin. This net is stretehed actoss the mouth of a small bay or inlet, and the Indians ais watc hing it In their canoes at a short distance. Shoals of mathovirs and herringe have their aboutes aud lurking places in sheb kays an are alluded to. As masy be supposed, these small finh often venture beyoud the confines of their rocky home. They are no sooner spied and pursued be the greedy salmon, than they seck safety in fight, and, roshing townods their biding phace easily showt throngh the cordy suare,-not so the lurdy salmon. The voracious fish ruas his hed into the net. Duwh go the floats below the suface. Lep resher Bedehtio in his lipht anoc, hauls up the net, clutches his silmery prof, folls ft with a blow of his clat, and, lets duwn his uet for nocther dramata, lumense numbers of spring and autum hath are catebtit in his way, before they ancend the rivers.
In Columbia River, the Eirat sahon that aseend from the sea, are taken at a place called Chiners Point, not rery far from the mouth of the river. These nre said to te the fatte. and most finely favoured salmon that are found along the coast. They are very large, weighing from 35 lbs. to is lbs. They are celebrated in the neighbourimg comatry, amd av far ven as San Francisco in Califurnin. They are known ha the Chinook Salmon."
The Indians display wonderful ingenaity in accommontating heir modes of fishing to the nature of the fohing grounda At the rapids called "The Cascades", they erect scamohinms among the boulders. These are clumsy enough contrivaluce, but they are strongly constructed of polen jatnacel betweca large stones, and lashed with ropes of bark to other poles, which eroses cach other to form stages. Indiane of several tribes come from great distances to await the arrival of the salmon, and plant their lodges in the most beantifulapots that an be imagined along the whole length of the rapids io they come unprepared. They are provided with senall round nets, such as are used in catching shritnfis. Thest huy facten to handles forty and fifty feet in length. On the iver sides of the stages, already alluded to, hollow phaces are ingenionsly enclosed, with low walls of boulders. As soom as the balmonarrive, which is early in June, husiness commenees The Indian fishermen, without any other garments than a piece of cloth tied round the waist, are seen everywhere plying heir nets. As the salmon axcend the rapidt, they maturally seek the calmer waters at the edges of the eurrent, or linger behind a rock, or in some convenient hollow fuch as the basins, constructed with stones by the Indians, close to their stages. Here the way-worn fish will rest and ille for a time; but not without eatreme peril. The cunning fisherman drops his net in the water at the head of the pool, and allows it to be swept down by the stream, thus securing salmon after salmon without danger of failure.
I'wo ladiane in the coursu of an buor, often land as mayy
as thirty salmon on ono of the stages. When fatiguu obliges nuy one of them to rest, nother takes his phace, had bo tho net is coustamity plied. As soon as a hish is thrown on the stage, a blow on the head puts an end to lts struggles toreme the water. Boys aro at hand who sefia it and carry it orgain Where it is at ones phit up and curcd. Notwilhstanding ine ingenions contrivances of the crafly Red-sking, imen in nathers of fixh seope up the rapidx, and convery weath and pente to the dwellers in the remote interior
The mode of fishing we the "Rette Fatla" of the Columbis is somewhat different. It is only at the time of the highere foorl, about the middle of June, that the nalmon cand pass thit furmidable barrier. A bout three weuks cartior 1 manass begin to assemble from all quarters. Day after day cavaloudes are seen windiag their way along the plain. The whole suma of Indian weath accompanies these cavaleades. The: saray leaves nothing bebind him for an enemy or a robler to seiz upon. Wires, children, dogs, horses, lemgen, wemphy an skins-all, on rowte, tegether, preseat a most nevel and extra ordinary spoctacle The smaller childeran are packed withote baggige on the backs of horsers. These horses are drivet by squaws, themster on horselack, and riding astribe like tace The clder bega and gints ride with their mothers, therem fou on $n$ horsu. The men and ntouter youths drive the latedo herses that run twone in fromt of the phocession. The mary is abo graced by a pack of prick-eared cors, whidh are wothis Clse than tamed praitie wolves
 pace of ground which overterebs the falls. A zigaty int
 the rocksat their base. The squans, whe for reh hastioner the "bewers of wamb nat drawers of water," isata diamet












 from them the great wicher tmpe This hot woth is rey


 twinted bath. The: river wow begine to rice rapindy, atal wats overthes the ron he where the tews are fost moth atat what


 now rendy for the rexption of the fany bivitor





## Awrollag is the orber af the thit



 at nbuthats ratu of fish.


 arrive are ofters spared frem the rimbin. Shat som they are in
 the wain, at the bane of the falls, without hittime a bin. More Gan lifty may now he sum in the ait, ht one haping ow

 thar the "satomen lap," fall back nom are trapod. Two nabed Indinus are stationed in coulh bosket all day long. This is sccomplimbed by mons of irequent relays, as hure is as. ways a heary fall of water. Salmon, three or four at a time.
 the pills, wrike the finh on the head with a heary clut, ant then fling them on the rocks. Hr. Lond montione having sem as many as three handred salmom, varying in welght fion twenty to seventy five pounds, lamed from one babke betwixt murlse and sumet.
With so many traps in succesfal operation fish apectity accumblate on the rocks, where thoy are piled in hatis, Numbutw of hoys and gitla are employed indragging them lack frum these heaps to the curing houses, around whith the ojen with sharp knives, twint of the hend, nad skilfolly renove the backbune The next process is to bang them on poles, whichsare clowe nader the roofs of aheds opan at the sides. In this position they are gradually dried by monns of slow fres, which are kept smondering on the floots. Win's we kept away by the smoke, which, no donbt, nide now th prekerving the fish. The whole salmon is cured in thas way

