The Institute has attempted to obtain the best original copy avalable for filming. Features of this copy which may be bibliographically unique, which may alter any of the images in the reproduction, or which may significantly charige the usual method of filming, are checked below.Coloured covers/
Couverture de couleurCovers damaged/
Couverture endommageeCovers restored and/or laminated/
Couverture restaurée et/ou pelliculéeCover title missing/
Le titre de couverture manque

Coloured maps/
Caı tes géographiques en couleurColoured ink (i.e. other than blue or black)/
Encre Je couleur (i.e. autre que bleue ou noire)Coloured plates and/or Illustrations/
Planches et/ou illustrations en couleurBound with other material/
Reliè avec d'autres documents
Tight binding may cause shadows or distortion
along interior margin/
La reliure serrée peut causer de l'ombre ou de la distorsion le long de la marge intérieure

Blank leaves added during restoration may appear within the text. Whenever possible, these have been omitted from filming/
Il se peut que certaines pages blanches ajoutees lors d'une restauration apparaissent dans le texte, maıs, lorsque cela était possible. ces pages n'ont pas èté filmées.

L'Institut a microfilmé le meilleur exemplaire qu'il lui a èté possible de se procurer. Les détails de cet exemplaire qui sont peut-etre uniques du point de vue bibliographique, qui peuvent modifier une image reproduite. ou qui peuvent exiger une $n$ ification dans la méthode normale de filmage sont indiqués ci-dessous.


Coloured pages/
Pages de couleurPages damaged/
Pages endommagéesPages restored and/or laminated/
Pages restaurées et/ou pelliculées


Pages discoloured. stained or foxed/
Pages décolorées, tachetées ou piquéesPages de :ached/
Pages détachées


Showthrough/
Transparence


Quality of print varies/
Qualıté inégale de l'impression


Contınuous pagination/
Pagination continue


Includes index(es)/
Comprend un (des) index

Title on header taken from:/ Le tutre de l'en-tete provient:


Title page of issue/
Page de titre de la livraison


Caption of issue/
Titre sart de la livraison


Masthead/
Gènérıque (pérıediques) de la livraison

Adtitional comments:/
Commentaires supplémentaıres:

This item is filmed at the reduction ratio checked below/ Ce dscument est filmé au taux de réduction indıqué ci-dessous.





Vol. II.

## CONTENTS.

Hatway lemas
liorsumal
Comsirnction
The Thmaderer on the New Routa The I'roposed " $A$ +atice Fivpress" t.biterotats:

The Mantolal situation
The short I.ine
Talk is (herap
A N.ew Rabl Chatrand scat
Fidtormil Notes
Seross the Contment
Iracticalls a Rebellion in Mantoba Hedl lower Valley lanhas
 furm ('unplers
Kingston \& l'embroke Mmang ('o.
The Fastes, Tracklay mg on leecorl
The Rallway servace
Advertisements

TORONTO, ONT., AUGUST, 1887.
(No. S.
The surveys fon the Salt Nit. Maie canal are being purhed aupilly, and it is within the

113
114
111.11;
is

A wond: the patents registered in the pitent otlice is one fon ant lock, taken out hy Mr. R. T. Nylvester, Fomentield, Maniteha.

Acooborac. to the Recilray .Vim, of Fing land a company has been formed nith a capi tall of $\mathbf{\$ 2 . 0 0 0 , 0 0 0}$, to manufacture alumimum, sonlium and magnessum unier existum phtcuts.

A new steel stramboat of about $1,0 \times 0$ tons undel construction at Sim Frameisco for the (anaulian libeltic Railway has been lanuched. It wall run on l'uget sound in competition with the Northern I'matic Ruad.

The: World, of this city, strongly i:rges more rapid selvee between Toronth and Buffalo, and thinks that the lirand Trunk, in its "un interest, should meet the rapidly mereas. ing demands of trasel between the "two Queen cittes."

Bradionis says: The worst features of general hasinces at present are the ion tate nand the laluor tombles, the stijkes in May
 year there lave inen 3,6 strikes, or 7.0 per cent. more than in 1886, the great atrihe year.
humis of pissibility that the woik of construc. tion will be begun this geal The camal will supply an immense water poner, amd it is pro posed that the Ontain (iovernment mould resense lathl for mill and factory nites.

A despath from Wheibnome, Que., says:-Tine injunction Mganst the solde of the Waterlow \& Magog Kailway to the ('anadian I'acitic hats leeen transfeated by Justice Bowhs th Bedfurd district fur heamag. The eflect of the ingunetun is likely todelay the onostrue tion of the line fam Niontioal to Nheihnowse a ye:tr
A recent despatel from Bellerille says Mining operations in Ninth Hastinge ate boomang uosu. H. I. Kithhie, president if the Central litario Kailuay, will open the Baker mine in a few days .I. 13. MeMallan, late superintembent of the same robld, has bought a gold mine near tannockhurn, which he $w: 1]$ operate at once. The ore will be sent to we crushed at Malonc. The it. Cliarles mine is also to be opened at once
Tine Dominion mal Industrial Evhblition to be held in Toronto this year will le the great est event of the himil that has evet breen knownin (oamada. Of the many thinge that loronto has to be prond of none is more deservedly praised than the Induntrial Exhi. hition. In this the jubile year the Dominion grant of $\$ 10,000$ has lweell gisen to Torento and the money has been applied thatil brims. ing in exhibits from other prosinces. The Fix. luhition will extend from ith to lith of wep. tember. Those interested uill lup furnished with a prize list or auy information on appli. cation to Mi. H. .l. Hill, secretary, Coronto.
A despatch from Ottiana, dited ith inat., mays :--It is rumored in limmer circles that the higgest transaction wheh has ever taken place in the trade is alout completed, berng the sule of Melaughlin Rros. large: malls at Arnprior, and extensise limita on the Lipper Ottiawa, of Hon. J. (i. lioss, of Quclece, and

 ner, whon has lecen adsised hy his phymeliall to, serh lest. In the colent of the putionse loe
 Silly contrmplate hmalinge a whot lane tall
 Fitans, Huntley, Mach and Nipice to ot
tan. t.t"..

I, mitcon tespecting the monements of Mr. Moubray Siusl, of the Nien Winhli Itacl Company. a typeraphical error culle.al it t." uple, it that $\mathrm{M}_{1}$ Nanl has managel of the Nin Yo, Irasel (ompany: M. Nanl while in Furupe will complete some important atrape ments which wall commalemhly incorace the facilities of his compary for Ametican thanste soing th Furope. Fomm Fingland he will kn to the contment and visit the primepal vities on hamess connected with the onganation of a wanhar sy stem hy u hith Fillopean travel. lers mumbing to wisit the linited state's, (am, wh, Nexico, cke, call ilo sor with the oreatest pobsible comfrit under the anepices of the New World Travel Comptay. Kumor has it that there are also nevothotione pembing th uthlee the large net of Fino cats in favor of one or tuo, trunk limes

## Tur. Montreal Niar sayn editoriably about

 Knsaias tramb-silnerian line:- This line will shorten the time occupied in thavelling to Japan from Wegtern Furupe th, what eigh. teen disys, and will open up to thade a part of Niberna sad to lee fertile, but prevomasly an settleal. It will in many respects be an umber. takimg similar th the (imadian l'acibe. The principal difference will te that the work will le a puely govcrument one. The liussian government appears in earnest nbout this undertaking, and some Finglish juurnals are urging the Bitish govermment to discuns some scheme for a shont woute to the lisutic through India and Burmah. The owlsantuges of th:: f.uphrates Valley route ase lioing dis. cnssed, and the govermment urged to comploy apeedily ita uwn weuns for effecting aualogous epeedily its own weans for effecalinidgucnte of time and apmace.

## Personal.

Mk. B. W. Ait:k, formerly of the (:. P. K. Wlegraph office, Ne. Thomash has been ap. poinkel fieight clerk in this city.

Mk. W. K. ('aliathil, dintrict pmaenger agent Canalian lyacitic, lise returnen from Firghal, where be spent an enjoyable holiday.

Mk. Jamex K. Dewak, " young Londoner, lately stenographer with Supply Igent Burns, of the Union l'acitic Rulway, Omaha, lias Ineen appointed stenographer th the lat viceprenilent of the railway, Mr. 'I. J. Potter.

Mr. C. F. MoPhккжл, city pamenger agent of the Canadian Pucific at Moutreal, who ably filled Mr. Callaway's place during the latter's aboence, will return to his post at Montreul after a two ilaya' trip nent.

The many fricnila of Mr. Philip J. Niatter, city passenger agent of the (irand Trmak in this city, express deep sympathy' with him in the attliction which has come upon hin lyy the death of his wife, who breathell her last on the lith inat.
Mк. C. W. Honive, night operator M. C. K. ut Deans, has heen appointerl to the Welland office, vice Mr. D. F. Hayner, tranferred to Fletcher : and Mr. J. N. Nilcos. night operator at Nhedden, has been app.inted agent at Kingmill.

A circular sigued by (ieneral Manager Hickson statem that Mr. T. B. Hawsun has renigued the position of Trattic Auditor of the (irand Trunk, and is succeeded in that office by Mr. J. T. Walker, pro tem. 'Thia change took effect from the 2ith ultimo.
A circular, signed liy Mr. IV. K. Raker, general superintendent of the Manitoba \& North-western Railway Company, announces the following:-Mr. T. A. Sunmerskill has been appointed master mechanic in place of Mr. R. H. Ailmour, resigned. Mr. (i. W. Matheson, heretofone ucting storekeeper, is confirmed in the appointment from the lst of July last.

Mr. E. S. Hill, chief clerk of the C. P. R. passenger audit office, Winnipeg, haviug resigned his position, the company has clecided to reminve the ottice to Montreal, the reason given being that the work cun be inuch more satiafactorily and choaply done there than in Winuipeg. The three assistant clerks of the department will be transferred to that city. Pending the change, Mr. J. I. Heuderson, chief of the accountant's office, will supervise the work.

Prenturit Purmas, of the I'alace Car Company, has always been noted for his keen perception of the wishes of his patrons and the promptitude with which he has supplied their demunds. He has just returned from Europe, and will ct once apply himaelf to the takk of devining a meada of lighting his carn with electricity. He has secured the servicen of an expert electuician, and will spare nothing in order to bring about snccese in his undortaking.

Mr. W. H. Lefik, late anperintement of the Hidehty mal Casualty ('o., of N. X... han re turued from a trip th Hiurnpe to associate hill. nelf with the (iuarantee Co., of Not th Anerica. Mr. Lece abilities and experience in this line of insurance ure well known, and during his loug connection with the fidelity Co. he sueceeded in organizing and comducting the lusineas of his lepartment with crelit to himself and protit to the company. It is understood that he diampproved of large risks on boniln for Achinintrators, Trustees de., claiming that they are not the objectes of genuine Fidelity Insurance, and unafe.- he::ce his change to another company not transacting that class of hasinesa.

Mr. K. Hatt.irin, "agentleman of Japanı," who came out in a ( $\therefore$ P. R. steamer and crossed the continest on the C. P. Railway, speaks very highly of the route. On leing askel at Montreal as to his idea of pranible trale with Canala owing to the completion of the l'acitic line, he said that the prospects were as good in a comparative aenase as those of the Unitel Sitates, as the manufactures and producta of the two countries were largely the same. The insue rested purely on the communications and the enterpriace of merchants. "I see," said Mr. Hattarin, "that your people have alreanly impoited a great deal of Japanese armor and ornaments. I noticed that at the wharf while the steamer was there. The customs ofticers barilly seemed to know what it was. Trade with Canala has to be pushed, and I do not see why it should not be made as good as that with the United Ntates if you want."

## Construction.

The branch line of the Canadian Pacitic to Wingham has leen completed and opented for trattic. This line will aid not a litth, to the importance of the town.

Tue cluim of the Canadian l'acific against the gover.ment fur allowance on the governinent constructed part of the line in British Columbin may be subnitted to arbitration, in which case Mr.C. C. (iregory, of Nuva Sicotia, will, it is expecteal by the goverument arbi. trator. The specifications, it is claimed, allowed the conatruction of a line below the staudard which the Canadian Pacific had a rigit to expect in tulking over the romi.

Th: Calgary Herald anys :-With the commencement of work on the Alherta \&: Atha. basca Railway the monopoly question will present itself with full force to Southern AI. berta. Already there is a atroug feeling on the subject und it is hardiy pomible that the people will lear with the monopoly for thirseen long years. Of course the C.P.R. are not to blamed for holding the governinent to their contract, but probably the syndicate will not hold the monopoly clause so high when Manitols has eccured her rights in regard to disallowance and the government may then negotiate for the release of the North. Weat from the obboxious bond.
liur (lu'A prelle l'ill lle may a special meet. ing of the sharehollers and hirectorn of the Winoll Mountain and QuAppelle llailway Company uxs liehl on August ist and 2nd, at Whuls effect was given to the srrangenents male some time since looking to the conatruction of the roal. The liclele learns that some changes have leen made in the inraonnel of the lirectorate, and that the hroard in embpowered to ispue bonda for the portion muler contract to bo luilt this nemmon. Material is now being purchased and operntions will be in full blast in a few days. The intention is suil to lee to hire men and temme at Fort Qu'Appelle, if they cau le hal ith preference to intpor ting them.

Mr. J. C. Ball.ky, late chief engineer Northern \& l'acific Junction Kailway Company, mays the survey of the Nipissing \& James Bay Railway will commence this fall. He ataten that it is the intention of the directurn of the latter to build a line from North Bay to Lake Temiscamingue next summer. Its point of departure will le North leay, ingtead of Nipis. sing Junction, as formerly announced. It will follow the valley of the Chippewa Creek to a point north of Trout Lake, whence it will procecd due north to Lake Temiscamingue. This road. Mr. Uailey believes, will traverse one of the finest tracte of agricultural and mineral lambe row remaming in the hande of the Ontario (iovernment.

The (irani Trunk Kailway Company sre carrying on work in this city to protect their track near High Park from the encroach. menta of the lake. Within a couple of hunIred yurds of the junction of king and Queen Nireets there in a high bluff of land, the pre. cipitous side of which is being constantly washed uway, and to prevent this the railway authorities have a gang of men with a amall donkey engine engaged in putting in pile in the vater a shorf distance from the shore. The piles will he strengthened by shore girders and the space inside will be filled with stone and carth. When the work is completell and the banc levelled of there will be no danger of ony further washing tway.
Npaskint of the new Kingston \& Pembrake buildings the Kingston Nitucn any:-A walk through the neu buildings shows that they compare favorubly with any similar railway quarters either eant or weat of Kingaton, as far as Montreal or Toronto. On the firat Hoor of the building is the room for freight, and nexi to it is the general freight office, which contwins a large walnut denk and counter. The windows arr of colored glase, aud a large vault is in the wall. On the upper flat are the offices of the auperintendent, the amintant superintendont and the secretary. Eivery office is heated with hot water. In the office of the amintant supariatendent, Mr. J. Taylor, telegraph operator, will sit and sead memagea to all the atations along the line. The secretary's office is the brat finiahed one of the lot. The wall are cherry finiahed, and the cailing hae a linen panel tinish. In the general office, Mr. Conway's quartern, and the office of the cecretary, there are large vauits. The contractore were:

Wm. Nowlands, architect: Kobinson Broa., painters and glaviers: W. Massie, chrp-iter ing, and McKelvey \& Birch, ateann-fitting.

The work of constructing a new steel binidge acroan the Coulonge river, for the liontiacI'acific Railway, has been commenced. Mr. Jas. Morrisun, of Ottana, has the contract. The contract for building ten miles of track, beyond the river, requires that the work loe completed lefore the tirst of November.

Thy Kailway Navigation Company hatw heen incorporated in St. I'uul, with a copital stock of ten miilions. The incorporators are all citizens of St. Paul. The oliject is to build a road from the twin citien to a point on Lake Superior, and to establish a new line of boats in connection therewith. The roal is to be an extension of the Minnesota and North Weat. ern, and will be a substantial double-track air line.

The: Americinn papers recently pulhshed, on the authority of Mr. Lewis, of Montical, a statement to the effect that the Ciaradian ?asific had made arrangenents for their line to run through a portion of Maine, and alded that "there was some talk of the feamability of the wettlement of the tisheries chapute on the hasis of the cesmion by the linited staten th) Casaula of that portion of the sitate of Maine proposed to lee traversed and encloned by the C. P. R.'s projected short line, in exchange for the granting the Amenican fishermen hy Canuda of equal ights in perpetuity with her own fishermen in Canadian waters." A representative of the Soar submiteel the statement wo the Hon. J. J. C. Abloott at his otfise. That gentleman said lie knew nothing of any such negotiations, and questioneal the possibility of auch an arringement evel :ussum ing practical shape.
Tins: lease of the luluth \& Manitol, to the Northen l'acific for a periol of fifty $y$ wars has been aignel. A st. l'sul ilespatch says: "The Inaluth it Manituha has complated its main line from the Northern Pacitic roserl, at Mourheal, through Clay, Nurman, and Polk counties, to Ked Lake Falls, and its Polk county branch as far as biast dirand Forks, and it proposes by agreement to complete the main line to Manitola, and the l'olk county liranchacrous the bridge into lirand fiorks, and thence via l'cmbina to Manitalai, provid. ing the cost ilues not enceed $11 i, 000 \mathrm{p} \cdot \mathrm{r}$ mile. The Northern Yacific assumes to paly as purt of the rentul inkerest at the rate of 6 per cent. on two mortgages for $\$ 10,000$ per mule each, which the Duluth it Manitolan has evecuted th the Farmers Laxa \& Irust Company until they expire, and then to redeen them: also th pry the buluth \& Manitulks $\$ 2,000$ per annum to maintain its corporate existence. Interest on the lumuls is th be payalle seminnnually. The first mortgage expires. July i, 1890, anil the second June I, $18 \mathrm{H}^{\circ}$.
Tins Montreal Star announcea that the contract for the foundation for the new (innadian l'ucific station at Montreal have been awarded to M. Davis \& Sons, the well known contrac. tors of Uttawa, who have alrealy done a large aunount of work for the company on the On . tario and Quebec and other portions of the
great highuay. The foundations involle an expeuliture of alkut $\mathbf{t a n} 0(0 \mathrm{KN}, \mathrm{mml}$. e to the completed within sin weeks. Befure that time the contract for the whole building will have locen let, anll it is anticipaterl. will lm . multi iently milcanced by mext May, to allon the company to vacate the prewent oftices on I'lace d'Armes Sipuare, as stipulatel with the insurance company, which has purchitsed the premises. Mr. Nhaughuesuy, ansistant gelleral manager, suys the company hupes to have trains running out of the new depot lefore a twelve month. The right of way within the city has almost been completel, and the new ling nutaide of the limits hass ineen decided upon. Ihe building, it is said, will cost over $\$ 800,000$. This, addell to the cost of acquir. ing the right of way, will run up the cost of the western entrance into the city at comsider. ably over a million dollars, but at the depot is the be one of the finest on the crntinent, and as the short lane th Turonte, is alreally all mitteil to le one of the bext ith Ametica, the C. I'. IR. duthorities consider the mancy well invested. The contracturn for the deport have secured valuable quarries in the vicinity of Montreal from which the bhe stonc will twe taken for the builaling. A new plan of dreas. ing the Montreal stone th be ennployed will be followed, which it is believed will have a very striking effect.
Tue (ialgary Hericil sayy that it is not im. probable that the Canadian Pacitic Company will build workshops theie. Here are some of the reascus given liy the Hercell in faver of thin step: The C. I'. R., intluencerl dionhtiens hy members of its directorate who have dis. tinguished themselves by cisaritalile and philanthropic acts sir lienge stephen and Nir Ikonalld Nmith have ulways shown a desire to sccure all the comfort anll aisantages poasible to their employecs. This fact is abuadantly illustrated liy the large and cons. fortable shops that have been crectal, the reading roons and libratiea extablished at various puints, and other means of recrention and impiovement atforded and encouraged by the compuns: We have no doult, therefore, that in choosing a site for shops the C. I'. IS. will give due conniderations to the advantages which Calgary offera. Thesides the important item of cheap fuel and gual water ne can give the artisun cheap living generally. As anon as the large mills alremily constructed commence operations building material will be cheaper than at anly other point west of kut Portage. Rent will accordingly be low. We are in the centre of the becf raising coontry, and cromsernently have botter and cheaper meat than other pluces. Flour is only 20 to 2; centa dearer than in Wimipeg, and all the other necessalics of life are comparatively cheap. The supply of vegetables, hutter and eggs, from the well settled district uround us will be ubundunt and so cheap that they can be used as ataples by even the poorest laborer. Add to all this the guarantee of phyaical and mental health and atrength, which our climule and beautiful surroundings give, sand it is hard to imagine a place more dearable for the homes of thrifty mechanica. This is the place for the workshopa.

## The Thunderer on the New Ronte.

Tirt Landen Tilner says "The imperiments in the way of the comatlliction of the Finphatem Vialley nal similar linew are ergal ly obvions, aml the acomplishment remains a thing of the din future. Meann hile there is a tonte: now realy letween Eurnge, Americt alll 1 aia, pusxersed if all the exselnce of the utility the through vilwelian line can lwost. The Cinnalinn liasice route, if it cannot liter. ally daim such celesity as that tow wich the projected Sileriansoute pretenis, promisen to 1se mach more generally serviceable at once m the mitermediate stages. Fion the print of vew of national interest, it could net up an indixputable right to the anded in its develup. ment, if the establishment of communication by it with Aura le imporsible nithout the moneat state sulvention for which a correapmolent plearled in our columns list satur. day Gur aole domit is whether a subsidy in the form of a mail ernatract, or any othet shape, le really necessary to induce liritish trathe wi alopt the new trink. Mercantile elletprine manst tre grownicery lethargic if it canniot atvail itself of ficesh and marvellously attroctive openings unhess the state will show the way."

## The Proposed "Asiatic Express."

Till ${ }^{\circ}$ Axiatic Fixpress," which will, it is propewid, ran from Jersery City $u$, Sun Fran cisco an comaction with the Onental \& Ocri
 rangell for, it is suid. The combeniences of
 datums so luxuinus, that much, of the Eurn pean travel to all poitoons of Asia will le, it is thunght, attrictel in this dinection, in prefereme th the Sucy Canal on other routes. In orden to carry out the ulea perfectly, it is propased to sell coupon tickets in l'aris and Lomion fon Tukyo, lobohama, Hong Kong and (inton, ly means of which a passenger will have his sleeping section amil his state room boolked ight through th, deatination le. fore lic leaves home. Unly two ehanges of conneyance betneen Liserpsol, Havre and destination will lex necessung, the tinst when the ${ }^{\text {nimanenger leawes the stermer at the Jersey }}$ City wharf, where he will hate th walk per. haps ten yards to reach lis train, and the secomil at Sau Franciseo, where he will lenve the train to take his leerth on the Chinia steumer. The cars componing the train incluile dining, stuoking and ieading room cars, all comecter with one another, as well ws aleepels. The train will le in many ways similar to the New liork Central train run. ning leetween Chicago and Now lork. It is also intencerl that the thip shall be made as quickly as possible, and the effect this stoppages at all points of the road will be an brief as the rapid handling of freight and laggage will allow. By this means it is expected h) accomplish the trip acrose the continent in 100 hours, by which meana it will be prasilile to nake the trip from Iomion to Iokohama in alout a month. It has not been reciderl whether to run the Asiatic express weekly or fortuightjy. -- San firancinco Buelltis.


## publishers' notice.





 holl routs ine line nomiariel
Subacriphomedixcontumed on expration onls when wh arterem bs sulaseritur
Jhmontinumace, or irrors, or chankers in adilress. whould be reportad to llatiwis lirke, nad not to the post olller lepmat omler if necessars. subscrilere ami others whomas take this journal from the post othee or carricrure lekally resionil:ise notue of discontinuance of subseriphon not withmunding.
fost offle boves or atrect and number shonld be andided ta addrens to secure a sufe delivers.
(Gorsespondence insited. Write on one side of paper only, and le spectally carciful with natices and dates.

Oir readery are requested to send us court deciyions and newspaper elippings relating to rail. way interests.
It in desirable that commumications. new advermementa und changes in old advertisements be handed in tirfore the loth of the month.

Offices -64 Bay 8treek Toronto.

TURONTO, AUGUNT, Issi.

## THE MANITOBA BITUATTON.

On another page we reproduce the interview with Mr. W. F. Luxton, of Wimnipeg, published in a recent issue of the filabe of this city. That interview is fully worth the space devoted to it by the filobe, not only because of the great importance of the sulject, but also because of the great importnuce of the man in this particular relation. Mr. Luxton is one of the three ambers of the Manitola Legislature who are recognized as the leaders of the Opposition, and, though he has not the title of leader, he is probably the most forceful man of the three. This would make him important under any circumstances; hut the fact must be remembered that in Manitoba, the free and easy western way of doing things has brought alout the anomaly of an (Opposition which dictates the Government's policy and rules without the responsibilities of ruling. Especially is this the case on the railway question, the Opposition being on that point absolute musters of the situation, and the Government, as Mr. Luxton
sals, simply "pasulse:" Thane fates imbleatle the wright which must nettach to the uthrainers of Mr. Luxton.

The st trements wheh the genthemen maknand hiv mather of presenthinthe. case could hatilly have heen more stromely comtirmatory of the views expressed ill the last issue of Rallway Lipf. had the object of the "interview-en" bern to establish our $\mathrm{p}^{\mathrm{m} s i t i o n}$ The: perple of Mantitoba are now in relbellion agniust the supreme authority of the Dominion, and they declare their in'ention of mantmaing that attitude in this matter, regardless of legal or administritive olistructions, where they believe that the meterests of Manitoba are to lie adnanced. So far they have carried their point, and there is at least that much reason for believing that thay will carry others which they deem important.
Thire is undoubtedly a conflict of opinion among members of the cabinet, judging from their own utterances, on the question whether the Dominion Govarnment stands bound ly the bargain with the Canadian Pacific syndicate to protect the Canadian Pacific Company in the possession of a monopoly in Mani. toba. There can be no doult, however, that Sir Charles Tupper has left it open to inference, and Sir Hector Langevin has directly stated that such is the case. Many of the friends of the Canadian Pacific, in the press and on the platiorn, have enntended that that is the largain. But of what avail is that strong presumptive evidence in favor of the Canadian Pacific when the competition which they desired to avoid is already being established without any adjudication of the question being had? In our opition there are stronger argumpits on loth sides of that sulject than there are in nine out of ten cases that go into court. It is a thousand pities that a matter so inportant should be settled ex parte practically by an act of relellion, instead of heing decided calmly ly an impartial trilunal after arguments on both sides.

But the point we pressed in o'r last issue is, after all, the most important one, for it covers not only the present, but many possible future cases. Here were two authorities both claiming to be supreme in certain rail way matters. Au angry discussion results in a virtual re lellion which decides the whole matter so far as the practical question is concerned. This does not decide anything for guidance in future cases, but it gives a strong
induerment to other pronmees to setthe yumetions of dispute with the Imminion III the same way. With the political loults of such a state of aftairs :his purmal dows not protend to dend. Lut, as t!a sol. mpersentative m Camada of the Lreat ralway interests, which are the greatest in che country, we protest against matters lucing allowed to remain in such a state. With divided authority railways cannot lee run as they should be in the interest of the pullic. W...re questions of such moment are settled not hy reason, hut by one-sided appeals to local interests and by high-handed acts of local legislatures, a state of affairs is creat d which must result in frightening foreign capital away and interfering with the railway development of the country. If the lominion dows not want the complete control which it has hitherto claimed, or if it cannot maintain that control, let it be so understood. The Dominion Government has never yet done other than assert its view that public policy demanded a continuous untapped line through Canadian territory. If that policy is bad or if.it cannot le: maintained, let the Government alandon it and make clear the reason for its action. But let railway capitalists know where they stand, and to whatever authority the railways have to appeal, let it be acknowledged and supreme.

## THE SHORT LINE.

Gineat achievments have lncome so thoroughly the characteristic of the Canadian Pacitic Railway that even the most important advances they make toward the development of the country are passed by with little or no comment. In fact, the Camadian people whose push and enterprise are the mainspring of the work done by this great corporation have, in our opinion, a right to complain that reasonable chance for mutual congratulation is not given at the points which might fairly be halting places in the path of progress. Even when the greatest fent of the century was accomplished and four millions of people found themselves in possession of the best trans-continental line, built in five years' time, the occasion was passed by as if it were one of but little moment. The prime minister and his wife went over the line some time after it had leen in actual operation, and that was about all that was done. The day of opening
should have been proclaimed a public holiday and Onnadians should have had an opportunity to invite the world＇s re－ presentativa people to make merry with them．

On the 15 th of this month the Short Line via Smith＇s Falls to Miontreal was opened，this being one of the first parts of the great Short Line to the seaboard， which．is now being rapidly constructed． This road is said to be one of the finest on the American continent，its construc－ tion being as nearly faultless as skill and money could make it．With casy curves and gradients and every possible saving in the maintenance of way，this road will enter the competition for the through business to tide water at Mon－ treal with every advantage，and，with temporary arrangements to the coast，it will hold its own for all through busi－ ness，pending the construction of eastern links still needed，which will save dis－ tance and make smoother working．A part，of the new through line is the great bridge across the St ．Lawrence at Lachine，an enterprise in itself of the first magnitude，a triumph of modern constructive art and engineering skill． The road has been opened with a sinuple announcement of the fact，but the pub－ lic has had its eye for a lone time on the progress of the work and will not be slow to take advantage of the conveni－ ences offered as a means of communica－ tion，especially between the two great cities of the Dominion．

## TALK IS CHEAP．

That portion of the press which caters to suit the palates of capitalists，or those who hope to becone capitalists under existing conditions，continues to give good advice to the working classes． These great reflectors of a section of public opinion try to be fully convinced that the present social system is the best that can be devised．At an，＂rate they do not examine with care，bui condemn out of hand，any proposal looking to a radical change；and not only do they condernn all such schemes，but they denounce the proposers of them as though they were convicted sriminals． These papers effusively advise the people for their own good to beware of these schemes for levelling the conditions of men，and express horror and detestation of the dynamiters， socialists，anarchists and pestilent labor
agititors，including them all under one common head as essentially the same and equally inimical to the＂well－being of society．＂And everybody who does not join in this senseless panic－stricken hue and ery is included in the common denuncintion as being at heart allied with every one of these outrageous factions．

It is only at considerable risk to his character，therefore，that a man can even ask a question of this mob who run and howl＂stop thief＂at they know not what．But still some questions have to be asked，and the time will come when they must be answered．In the first place，does any sane man believe that our present system of production gives tho best results？Does man with eyes in his head believe that our present system of wealth－distribution is abso－ lutely perfect？Can any man who knows anything of the menning of the words deny that our system of govern－ ment has in it anarchistic，communistic and socialistic features？Does any man presume to say that to extend any one of these principles further would cer－ tainly result in＂shattering the fabric of society？＂If no man can be found to father these views，would it not be much more creditable to the press，as an insti－ tution run by supposedly rational men， to propose real steps in advance than to attempt to prevent progress by a＂wolf， wolf！＂cry，which people will soon find to be absolutely hollow？

Our great boast is that in this country men are absolutely equal in the eye of the law．And when a man makes that boast，the chances are he figures law as a big－wig judge sitting on a bench hear－ ing the cases of criminals brought before him．The vast majority of men go through life and never find themselves justly or unjustly in the felon＇s dock， and yet these men are affected by law in a hundred experiences every day．Land laws，customs laws，municipal regula－ tions，laws to protect buyer from fraud by the seller and vice versa，laws regu－ lating public corporations，such as rail－ way companies，these and many others directly affect every man every day，to say nothing of the indirect effects of succession laws，enactments as to public debts and a thousand others．These are the more important laws－not those which decide whether a burglar shall be sent down for a year or for ten，or whether a＂drunk＂shall be discharged
or fined or imprisoned．Can we say that in these thousand and one relations men are placed on an equality before the law？ Whatever the opinion of ochers may be， we say no distinctly，No．

Take an instance．A man with a heavy fist，or a talent for revolver shoot－ ing，or a penchant for three card monte， is not allowed to use his particular ability to take from his neighbor a part of that neighbor＇s wealth．But if a man should happen to have a talent for land speculation，or for manipulating stocks， he may pocket millions of dollars earned by other people，and the law says nothing against it．On what principle does the law work？Does it seek simply to pre－ vent force and fraud？Evidently not， for highway robbery and lottery schemes are alike prohibited and there is not necessarily anything fraudulent in a lottery，as the word＂fraud＂is com－ monly applied．If there is any principle in the law，or if there is one on which a law can be based，it must be this： Every man shall be protected in the pos： session of what he has．Does any man pretend that that principle is fully car－ ried out in our law？

Under our present system，statis－ ticians tell us，only three per cent．of men in business succeed．We do not say failures are the result of the system． liut，surely，if our system was based on anything like a reasonable principle it would make success for the many more． As a matter of fact，the chances of a new man in the ranks succeeding grow less every day．Under our present sys． tem the vast majority of the people earn little more than a fair living and many of them not that．The comment of the lofty－minded editors upon this state of affairs is that this is a case of＂the sur－ vival of the fittest，＂and it is better for the race that those who cannot stand the struggle should go under．And yet these men and the great men for whom they speak are protected on every hand against violence and fraud，except that kind of fraud which they lest under－ stand and from which，mayhap，they benefit．Why should the principle of natural selection be thus circumstanced by artificial laws which benefit the few． Moreover，it must not be forgotten that this protection given by the law de．ives its effectiveness from the people．Why should the masses be supposed to give their strength to the maintenance of protective ordinances of various kinds
when those ordinamees lenetit the few rather than the mass？

It all comes down to this The workug man dors not get his fair share of the wealth product of the community． And of all the working luen and we use the worl in it h hoadent sense－．none get an perer at return in proportion to their deserts ans those emploged on the railways Wesay without fear of con－ traliction that in wo other branch of in－ dustry in there so large a loody of men of soloriety，udustry，intelligence and fath－ fulness，as in the ralway servier It is no blame to the authorities of the several systems that the mon wre not better paid．The fault is in the systom． What the remedy should be we are not prepared to say，this lefing ome of the few jourmals whone editors do not feel compretent to direct the aflisirs of the world．But we beliose that a remedy is possible and that it can her found if the discussion is carried on in a reason－ able way．The people will adrance， they will demand their rights and they will get thell，for they are Anelo－inax－ ons．Shrieking throuts and calling names will not keep back the adrancing tide，but will rather make umperssary disturbances upou its suiface．Let the editors krep cool and try to protend，if they cannot feel，that they recomme the interests of the people are their own．

## A NEW RAIL CHAIR AND SEAT．

Iv these days when the attention of inventors seems to be ginen almost wholly to elaborate means of dritwing， heating and lighting cars，involving great experiments and foreshadowing revolutionary changes，a mumber of real－ ly practical questions in relation to the mechanical mad engineering departments are apt to he overlooked．There is as much danget of accident，as much ant－ noyance and expense，and as murh un－ certainty of result in the rail joints of the majority of romds today as there in in the car stove or the coupler．The in－ ventor who produces the means of over－ coming the danger and part of the ex． pense at the rail joint must le regarded as a benefactor of the roads ：and of the puilic at large．

In this relation we would draw special attention to the cuts and description in our advertising pirges of the new rail chair and seat now offered to the rail． wiays by Mr．P．Je Guerre，of this city．

Were＇the geat and chair combined in gencral use the difliculties now so eom－ mon woukd，it is lipliesed，in alsolutely prevonted．The seat ensures a solid place for the rail inds to rest upon．If， through defert in a tie，a rail is liuble to sank under the wheel，leasing the next rail to lee＂hunted＂and flattened，the －litio and seat will ensure the sinking of leoth the adjoining rail emels，and thus a smooth joint and a minimum of injury to the ritil．The chair is a model of strengeth and would doubtless lee found in prattice to make rails absolutely ＂unspromblale，＂even without the seat． liut the seat，after all is，in the complete innention，thit which must be moved leforo the rails can spread，and no acei－ Went call move the seat without moving the tic ulong with it．The rails and post on the inner side of the chair keep the mils down and prevent displace． tuent colwine，meeting perfectly some cause＇s of possible difficulty．

This device can le placed or removed morn asily and quickly than the ordi－ nary tish plate．Though the first cost is sonewhat in excess of the fish－plate， there is a great saving in the subseguent carr of the joints，there being no nuts requiring eonstant tightening，so that the extra cost wonld he paid for a hun－ dred times oure in the life of the article． This is apart altogether from the saving through avoiding accidents due to spreading of the rails，fund the saving which might readily ise effected on a new road of using lighter rails than are： ordinarily used，the werar of the rail，at the ands lxing lesi than with tish－plates．

One point in this invention which should commend it to the attention of the engineers of our vaious lines is the fiut that its merits can le put to the test with very little trouble or expense ；and if it will do what the insentor claims （and from the dranings and description it would scem very reasonably claims），it will well repay the labor and expense of these experiments．

## Editorial Notes．

Asumf from the general question of authority in relation to the Red River Valley Railway，which is discussed in $n$ separate article，the buidding of this road is arousing very general attention．One absurd thing alout it all，which has not ieen commented upon as it deserves，is
the fact that there is nothing in the com－ merce of the country demanding the con struction of this road．Threre is some． thing radically wrong in a system which calls nut $a$ million dollars of public money to construct a line which，so far as the commeree of the country is con－ concerned，in like a fifth wheel to a coach．

The：ammal pia nic of the employees of the Nanitolin is North Western Rail． way Comprany will le held at l＇rince Arthurs landing，urar W＇esthourne，on Thursdicy，the esth inst．We acknow leclge with sincere thank the thought－ fuluess of M．1．Woucet，secretary of the committere，in sending us an invita－ tion to lue present，and regret that owing to the distanct it will not lee our privilege to loe present this year．We trust，however，that the marry－makers will have a good time，for there is no class of men who beter desarse it than the moployee＇s of C＇anadian railway com－ panies．

Threse are indications of the existence of natural wits in many parts of the Dominion，hut for some reason which nolndy serms to be ahle to state，C＇ana－ dian capitalists are not attempting to develoy this great source of wealth． This would not bee surprising if the ure of this gas were still in an experimental stage，hut when only a few miles from our forcher are towns lighted liy it，with factories run and all kinds of henting pertormed by the same agent，this delay sepms most marvellous．There are whole towns in Pennsylvania and Whin that have grown up hecause of the presence of natural gas，while the wealth it has brought is simply faltulous．The best purt of（hatario is the Western Penin－ sula，and in this rexrion the signs of the presence of natural gas are most numer－ ous．It vould mean immensely increased tratice for the railways were a steady supply of this great natural hrating and lighti：ng agent found over any consider－ able district．

Tuf，Toronto i；lolie，whose stroke of enterprise in semeling an early morning fust special to london was mentioned in a recent issue，has improved vastly upon the original idea by running the train on Saturdays through to Windsor．This， it is fair to assunie，is done as a prelimi－ nary step to establishing daily communi－ cation with the western border，should that le found feasible．At present the

Gilule rearhes Windsor at א.5.5 n.mn . and is laid on the breakfast tabley of eather late risers in butrot, $\geq: 1$ miles from the oflice of pullication Thes is a marsellous performancr, arom in tha as. of marsels, and the emergy of the management wheh ean carry out a schinere so great cannot the too highly commended. The new coxtension proves that the tirst scheme was a surctiss, a fact whin lo must loe most gratifying to all belierera in Canadian menterpiss, and all -urh will most cordally hoper that the further step will meet with an equal n.emure of appreciation at the hands of the public.

Elsewneme in this issur will lu found the first of a serins of articles domerptive of a trip arross the contirant, from the pen of Mr. J. (C. Balley, (‥E, whowe long experience as an rnsinere $\mathfrak{i}$, a guarunte of the accuracy of his onsurvation, and whose ability to write his experience in entertaming fiahion is proven by the article we gre. The trip across the continent on the Cin.udian Pacitic has already become an enery-day affair, and the tomendou faith and enargy of the men whon pushed than rond through is apt to the uudervalued Mr. Bailey's description, comin's from one who speaks with ample anowheder of his subject, and who st in a pusition to le thoroughly impartial, brings out this great future of the work with deserved prominener.

Tue cable plays queer tricks ont us. Late last month it was amounced that the British (iovermment had deciled not to subsidize the Canalian Pasifiroute, hut had remewed the contract with the Peminsular and Griontal Company to carry the maih sia Nuer ('anal. Then came the information that the government had been convinced liy the representations made in favor of the (Janadian Pacific and would grant a sult sidy. Later the papers solemmly printed cable despathes statine quite as definitely as lefore that the government liad turned a deaf ear to all that had been said and had refused all assist ance. Now, it would apperar that the Canadian Pacitic will be: used for mail matter to oriental countries supprscribed to go by that route and that the correspondence on the subject of a sul. sidy is still continued.

## Contributed.

## ACROSS THE CONTINENT.

. $1611+$ VI. I.<br>

I lift Toronto on Monday, July :stlo, at 11 p m., and arrived in $\backslash$ ancouver on the cisth day, and in returning cousumed the same number of days. The distaner betweall Tomomen and Vianmuver via N. P.J. Railway is 2, ifis meles, thence to Vietoria ly inat, it miles more. The seenery froll North Hay on Lake Nipiming till Vancouver is reacholl is ${ }_{\text {arand }}$ Ineyond description, and must ber seen to Ine appreciated, particularly in the Rockies and selkirks. I travelled with some Ameriran gentlemen who had then all over the wodd, and ware then on their way to . Maska, and who had also heen on the three Amernath Pacific railways, and they assured me that the scenery on the Canadnan Pacific Rail: way was the finest they had ever seen.

To those fond of the lexauties of nature or wild adventure or those who would wish to know and see for themselves where some of the maney was uspd or how it was used in hulding such a stupendous public work as the Canadhan Pacitic Ralway, I would say : Take this trip and go over the same ground that I did and take it all in as I did. None of them will ever regret it, atd all will acknowledge that both time and money wore well curn:t : and they will wonder what kind of men had the temerity to propose or project such a scheme as a railway through such a country as this. When they see the character of the district north of take Nuperior, with its cold, naked, frowning, granite rocks, scarcely affording room for an Indian trail between them and the water's edge, still more when they come to the Rockies, Selkirks and Cascade Mountains, and see how the track gets down the valley of the Fraser and Thompson Rivers, they will begin to think they have been tho severe in criticising the actions of those who first proposed such a scheme and who mantully and fenrlessly tinished such a magniticent highway against every conceivable oppowtion. I had read almut the many ditticulties in the mountain divisions, but had no idea whatever of the character of thenl until I had seen them. I think
all "growifers" on this sulyect viould take this trip and come back comerted and foreser hold their tongues. Thay mast frankly admit that nome hut thore proseroed of the most indomitalle cour:"ue could passibly undertake such a work. The whole I ommmon should feel indinited to them, for without such a hishway this country, containing mil. hiom of acres, would he nothing bat a b.arrin waste fir yearg to ce.one. Difli culturn facel the projectors at every step taken, not alone in the actual mingerer. ing lout in packing in on the lacks of mulic, horses, amd wen of men, the vory noromaries in the way of forel atol other auphers required to carry on these work from day to day. The roads and tral built for this purpose shrough hufh, swamps, owre rocks and skirting lakre. must have cost milloms, and yet, with all these difficulties. the work never stoplyed a day. The road is tinishert, and in my opminu it is a lasting monument to the propectors and all concerned. (ff course, volumes might be written on this sulyeet, hut eugineers, as a rule, are not writers, and a briff outline or sketch must suttice.

Beginning at forty miles west of North Bay and until Rat Portage is reached these engineering ditticulties occur and have to be overcome as well as prisible-at one time running on and curving round the sides of steep overhaming and very high granite rocks, again, runuing through the centre of large deep lakes, necensitating the use of expensive pile bridges, which could not possilly be avoided, anon running straight up to the hase of a mountain of rock which, to get through, has to be pierced or tumelled, coming out on the opp"site side only to encounter another, and still more formudalle. And this sort of work continues until within a few uiles of Winnipeg, when the prairies loegin. No more troulle presents itself until the Rockies come in sight, which is in the neighborhood of a station called (ileishen, i 85 miles west of Winnip"g, when fresh difficulties hegin to intrude themselves only ten times worse than those left behind us along the shores of Lake Superior, inasmuch as steep and objectionable gradients necessarily have to be introduced to ascend and descend the Rockies. Wilkirks and Cascade Mountains; although I think ruming along the precipitous and dangerous lanks of the Fraser and Thomp.
son Rivers entailed far greater expense and trouble than the Passes in the mountains. In the Selkirk, thirty-five snow sheds at an enormous cost have already been louit, and more still, probably three times this number, are leing built. These are not alone for show but are intended to protect the track from leose rowbs--hrulders, clay aul trits lming thrown down or across, :und thus cause accidents. None of these have been built in the Rockies, as up to the present they have not lieen found necessary. The heavy and continuous rains in winter caus" nearly all the trouble, particularly towards spring, as the frost and rain combined liave a tendency to loosen the earth, and of course bring on these so-cilled slides, with avalanches of snow as well. How--ver, these snow-sheds seem to conntaract all or any had effect, and whatever comes down the slopers is sent right across and away from the tracks altosether.

Culkary is a nice little town and is surrounded by a lot of natural parks. It is fast improving, the site hriage 3,416 firt above the sen, and has thr Bow River winding its sinuosities through it.

Banff, a little further west, is another place which deserves notice, on account of the celebrated hot springs there, destined perhaps in the near future to rival those of Arkansas or Naratogn. Hundreds of health seekers have already gone to lianff, some of whom have been greatly benefitted, to use their own words. It is 919 miles west of Winnipeg.

Mount stephen, which is 961 miles west of Winuipoy, is the summit of the Rockies, the clevation of the track being $\therefore, 300$ fort above the sea, and the points or peaks of mountain immediately above this about 10,600 feet above the sea. The summit of the Selkirks or elevation of the track at this point alove the sea is 4,402 feet, and Syndicate Peak at this place is 5, , 00 feet higher than the track, and Mount Carroll is about the same elevation.

This summit of the Rockies is the summit of the Kicking Horse Pass near Hector, and the gradient from Field up to stephen, a distance of ten milen, is $2!$ and $4 \frac{1}{2}$ per cent., which averages 185 feet to the mile. Twelve months ago, however, the profile of this was very irregular and had no standand grade, some of it heing ourer 250 fert per mile, lut was reducod to its present condition
hy Mr. S. H. Sykes, engineer, then in charge of this division, who revised the location and gradients in many other places as well. At this place it repurres two locomotives to take the train up this strep incline, one of the very haviest Mogul engines being always placed behind, and at this place ulso are three safety switches, which, should any of the cars break loose going up, or the engineer loxe control of his angine or train coming down, he immediately whistles, when the man in charge of cach switch opens the one reguired or called for, and throws the engine and whole train up a very steep incline, in a contrary direction, of course, to that of the track, which finally stops the momentum already gained, thereby insuring perfect safoty. 1 um informed that this piece of legerdemarau hal to he resorted to on more than one occasion during construction. These suitchmen ure kept at each switch, day and night, and every possible precaution is taken to prevent accidents; nor is this the only places, lut right through to V'ancouver you will see men day and wight watching all trestles and hridges, and at places where there is any possibility of a hank sliding. In the middle of the night 1 noticed Chinese, who are considered most reliable as watchmen, come out and stand with lamp in hand at the end of a bridge until the train haul passed, and then walk over it from end to end. In my opinion the management of the rumning depart ment on this road is perfect in every respect, and the dining car service cannot be axc-lled, where all the delicacies of the scason are to be found at quite a reasonalile charge. The food is cooked in the best style, by well paid nad experiencod croks. The slecping-cars are perfection icself, and I must say that the officials, from the porter up to the conductor and superintendent, are most olliging-I say this as one altogether disinterested, not leing in any way connected with the company. It is annusing, and interesting at the same time, to notice the erratic movements of these diniugcars. Arriving at North Hay, you naturally ask the conductor where breakfast is to bo had. He will answer, "Oh! the dining car will be put ou in $a$ few uoments." While he is yet telling you this an official walks through the carx telling you that "breakfast is now ready in the dining-car." Half all hour
after he walks through the car giving you fair warning that "this is the last call for hreakfast," or whatever meal it is, and thus it continues on to the coast. One would think that these dining cars were rumning on an independent track of their own, as they leave you and join you so suddenly and at so many different points of ther roal, that you are puzzied to know how the comactions are made so perfectly, oo that you never miss a meal over the whole route.
The Illecillewart and Kicking Horse Rivers are struans barely owr N0 feet in width but are very rapid, in fact perfoct little torrents, the former in the Nielkirks and the latter in the Rockies. When you see these and notice the rapid rate at which they run, tumbing and leaping over rocks and crags, it gives one a good idea of the rate of grade on the track he is then going over, for it runs parallel with these two strenms for miles, crossing and recrossing frequent ly hat never losing sights of them. The Kicking Horse River runs sut at Hector, wherr its source legins, and derives its supply, I nuppose, from the large quautities of snow and ice to the seen gurn now lying on the sides and base of thr thountains.
Valuable ailver and other mines have been discovered in the Silkirks and at one of the stations callod llecillewant, there is alrendy a mill crushing silver ore, which is shipped from there to the Inited Nitates. This ore is said to be very rich indeed.

All along the hanks of the Fraser River, up to a 100 miles from the mouth, can be seen Indiaus, catching nal.nor: with scoop nets, from the: lanks of each side, and not in boats as one would suppose. They are dried in the sun on frames made for that purpose, and, viewed from the car windows, look like so many pieces of red flannel hung up to dry ; these salmon, with the timber and coal, form the principal exports, a great deal of timber being sent to China, Japan and South America. This pine, or Douglas fir as it is called, is a very good yuality of timiver and can be used for any purpose where strength and durability are myuired. 1 sak trees from six to nine feet in dimmeter and cedar four feet, both perfectly sound througtrout. But there is no other timber of any consequence in this country, I saw men laging planky acrose the strects in Vancouver 36 feet long by 3
inches thak, composed of almost "clear de., de. Nor have 1 montionarl or stuff," hardly a knot to he neen in any: entered into the particulars of the fol of $i t$.

The land all through liritish Colunhis cmanot le compared to :any of that in the territories or districts ehst

The (:. P. Ruilway (J). employ hundreds of Chimene in British Columhas as track men, cutting wood along the line to lne used as fuel for the locomotives, and at various ather work, and they tell Ime they are good workers, most indus. trious, roliable and soluer ment In Victoria there are alomit 3.000 of them, some of whom are :urrehants, owning large stores and are warth a great deal of money. I was also informed that the Chumese do the greator part of the min. ing in liritish Columban: (ariboolineing the principal locality, and all make money out of the mines, abiandoned by the: whites. It othor places wher. the latter could mot live, John (hinaman ant make his tive :uml six dollars a day.

The momerals, wo doubt, will form one of the chief industries in these dintricts, us all a.knowledge thit gall, sillor, lead and colper are there in aloundance, only awaiting to $l_{\text {re }}$ dereloped, and this, with the milux of emigrints, l:und scekers and tourists, will swell the tratfic and materially assist the $C .1$. $K$ ill that is required to develop this whole country from Winmipeng to Vincous ar is to settle it as specdily as possible. There is plenty of room for a few millions of people -homes for all!

Coal has been found in abundance at Medicine Hat and Jethbridger, the latter callerd the dialt mino. It is leing mined at looth places and will the a groat loon to th sountry where such raluable fue! as this rati be sulistituad for the pop lar.

Yale, which is 10.5 miles east of Vancouver, is at the hoad of navisation mo the Praser Kiver and is 300 fret above the sea. Vissels of large draught can come up this far. Therv arr other places of interest which might $l_{\text {n }}$ mentioned too, with a history attaclied to them, hut these nust lo taken up at a future time. I have said uothing of the many canyons and other wonderful sights. For instance, there is one trestle at sicony Creek, 990 fert high, nnother 2.50 firt, with one 3.900 fert in length and of quiter $\pi$ respmetalile: hright, then thore is the large iron cantilerer loridge spanning the firaser with one clear swrep,
lowing monntains and fuaks: Threne Sisters, Ahaciers, Cathedral Mount, Kicking Horse, (:astle Mountain, Hermit Mountain, Kimanmesis, Harmit lrak. The Nistural Monuments, Kleking Horse Canyon, and Falls of the same name, Castader Fills, dec. de.

Neither has any roference whaterer bren made to an insanious piece of raginerering called the "loop," liy which, and the only meang, the trains are en abled to overcome one of the mast ditti cult places in the Selkirks and thus ol. tain a moderately reasonable srade. 'The anomaly here is, that alihouris the train keeps moving on at the usual speed, very little dist:usce is made, but the oliject souglit is grained-the ellevation although to a non-professional in a roundalout way. This can hardly lne under. stond without a plan.

The time changes three times latworn Toronto and lancouver, and you are introduciod to thirtern dilli.rent conductors and notice almut as many "strangefacel" locomotives with their drivers: the satme porter, however, serems folmider of travelling than his confrern on the train and goes rishis through with his "slepeper" from Montreal to Vancouser, thus saving the travelless all the munoy ance incident to the moving or trinsfire of thrmselves or baggicige until the emel of their journcey.

## PRACTICALLY A REBELLION

 MANITOBA.Tuk followinis appeareal in tho Toronto Cilohe of lat inst. :

Mr. W. F. l.uxton, member for south Win. nipeg, of the lixeal legislature of M.mitho, and propprictor of the Manitaliz fref Jicar. being in the city, a reprementatice of the filown availed himeelf of the opportunity thus piven th obtain accurnece and full iuformathon as tho the railway now lecing luilt to the lmonilary, and wher mattera. Mr. Luxton granted the reyucst and wan asked :

- In what condition is the work of conntuaction on the Kel liver Valley lhailway ?
"Twenty-nix milen arr graderl on the various ecctions of the manl. The cutione length from Wimniperg wo the frontior is aisty miles, and the contractira expect whave it all fininherl and wi commener lay ing the inan an the 10th of A Agust."
"Are there any large hridgen to the cronstructerl :"
" There are me bridgen of cmasiderabie aixe, berause the work dian not involice the luild ing of a britge acmaxa the Ansinituitar. io far there has been wothing done almot a hriilge at
 a mangille stecoun umidet the .ontrol uf the Brmmion fionctament


 bumbeto juside for the presmentr, thene ad


 pinin was thenen te tlont a millian dellarn of

 hase beell offered pars for the tumita They eonaler, however, that they .ue worth more.

 pulley of the pencrmment is (hams credit ins
 the work in the mesuthne despite the Domin ion anthonitions) to hor run thathones and then
 and then take puwer from the legishature th issure 1nonde th discharge the deht."
" H., an .
- Well, that is a mintere for the " ondiathor. and he tells un ho has mowle sutidintury at randernentes with the (: I' J Lu hatre the ratls tianspmentel.
 appohend any ditherolts atwint combertink with the Americath hemen
" S., we have a donhbe porterton in that matter. In the furst place, ubl immodiate connertion ly the American funtier in the Northern lacitio. If the (amabian lioncon ment were to refusc anmeation with the Callonloun railroal, w, are quite sitistion that the Sorthern lacitic uonhl mate seprenenta
 them to prohilnt all of war (inawlian lwale from making a crnnectocn with the . Imente.th rosaluat Iketrait. Part Hurunami cother imints. Thon, in the cond, we vely "pmos mir minhit. The same then would apply if the lhommion authonties refuseal to put up a conthm homse. or the dlon cunthana fin listiek the the Northern
 thill In that case the Northern lacetic would mahe anch erpresentations ter the linited
 tions at the very miat uf the luolmarary
- In other warim they would put the Ke. talicturn Act in forcer:
- Vies."
"Then alout the dillumity that your cant

"Well, that in a mater that no have not thouxht very :nuch almout. The pilarijal thinis we hale lemen theratenerl with are in functuns. .lad wes.as medonit care for in

 furic. Mexidex. m!unctuons are matters if pronmeial conceln and withur the jurimhethon of cur ciwil croarts. We ansume that cous oun crourts woulil amiravor t" maintann thir ilignity of their powntion. lint mithe end it lu. crmes amatuer of minht In liantola, ex
 whor am entirely depmene, elimeth or imh motiv, "pmin the fmminnan licicroment for their nulmintencr, there ia a connernotion of opin-
jon and leterminution upon this pwint．We are practically in relsellion axainst the I＇．inn－ ion We are determined to build and operate thin rombl the the frontier，if ne lave the atrength to do mo，and we helieve ne have．
＂supposing the Dhminion wou＇t innpert the ruad＂＂
＂We＇ll run it without innpection．＂
＂Anil then every person comberted with the undertaking would le juggerl．＂
＂How would they lwe juggeal ！＂askenl Mr． Luxtom，with ant air of mingled incralulity and anusement．
＂The government will call ont thr Winni－ pog volunteera．＂
＂Then the In：ninion d：wernnuent would luave an interesting tince of it．The volun－ teere would certainly tuke siden with the Real Kiver Vialley lhailway．
＂That statement is treamomble．＂
＂Well，＂replied Mr．L．uxtum，appmeitly not much shosked at the suggeation，＂a a I axid before，we are practically it as neate of relellion to．day．The position of the lavial A ioverument is panive，an it alwayn hay bech． At tive lact meation of the legialatuie Mr．Nor－ quay，by various maneurrem saccected is securing a inajority of three in the legialature， which held him in ottice，lout male hiim subs． ject after all to the dictation of the opponia－ tion，which be accopted．The sperch from the throwe at the opeuing of the last sesainu of the legialuture wan juat such a apeech an the opposition，hail they been in priwer，would have pat in the manth of the lieutcomant． novernur．As 1 and，the local governnent is a paonive suvernment，and now that it fiads iteell it the poaition of a sawling in a strung and swift current，it has got ho wo with the streanu．Nr．Nornyany wam sustmined at Use lant gemeral election liy a lave umjority，and coly by mosans whici：：founil it pmeaible so mas locause the was in prower．He dones mot on geseral prisciplen cujoy the crmatioleme of the people of Manitida eooday．lurt in thin matter Mr．Nonyuay is the constitational frovat of the provituce，anol nincty nisue pur cent of the propiple will stand at his back， ximply tos prach him mol．
＂Will you receive any actual practical re． lief Inval the mew reanl：＂
$\because$ I my we will．In the first plany het un nueame，for arguncentin sake，that the cromipe－ titiva will wot give un ledter ratex than we have co－day ：it wouhl still betuctio un in ser． eral ways．Whee we apporoch a capitalist uo
 note a dollar，becmave youn are a unvarymily rini． den commery：We appowech an iutcomenting amigrant，and the saya：－－I wronit on to Mamitulion，because of the momojuly．Whea the wew live is completed that argunornt can mo langer the macl．Ifat I my that it will anborl ma actual relied．The I：IP．K．and the Sie．Itanl，Minmanporios o Maniudia are very cimely relaled．The Norebera IPaific and the Ne．Itaul，M．di M．are cronpretikita，and the Ninthern Itacitic will liecome an ally of ancr in this matter：anot those thr traikling of
 Wimaipeg mind anotern primin，the Noveloom Protite onoteralling the tratior an far sant an

constructerl froms Portage Ja Irairie in a murthweaterly direction，practically wer the Mackenric mute for the C．\＆．K．，which， west of the old province of Manitulla，is a much lactur comatry than that traveraed by the prowent line of the（：．I＇R．At the lant wrenion of the leginlature an act was presed in． corporating the Wiunipeg \＆Western Ruil－ way，which in an monanct of the Manitoha \＆ North－wextern，the intention lxiang th con－ struct a roat from Winnipeg th Portage Ia Drairic sum mont ath the liel River Valley Kail way is all unnurell fart．This would make two trunk linem th．．．ugh the eutire Nonth．went．＂ ＂A great many people here in the east，＂con－ tinued Mr．I，uxthon，＂think we are only talk． iug whetl we nity we are prepared to alouliles our short－guns．Hut we are in carnest，and for the leent of all reasmin．Mont of the perople who are ill Manitolia have leens there from seven th tifteell yenra．They liave invented there everything they have，and they know that that country if given a fair chance in all that they expected it the lee．Hut they feel that lwing left th the comtrol of one romal means starvation to themselven moll their familien ；hence the inceutive to do what they may they will do and what they will do．Hut －ivey fear ucthiug frons armed force The general inuremaion，loowerer，is thin ：Sir John and the gevernusent lave disallowed every act that in calculated to facilitate the conastruc． tion of thin Herl Itiver Vinlley linilway．Sir John will mot use force，but this action is selverally xanumed to lee nimply a reviemption of hin pronuime to the C．P．R．that he will do， all that he can－ahort of naing aetual force to meriore them monsopoly，and that having re． doentel that pletise thin a ill tre the end of it． Actual force we do nut fear，and we think Nir Jahin luas mow prane an far an he will go．We kuom that we lanve the rigle th huide the o，if． road luet wern any pints within the ull pro vine Sir lohnt and Mr．White andmittel that：and we are griag to buidat the liae there．There has leeen an effort made hy the C．I＇．R．Waroume the midevl territury againat us loy olieriug the workatolpe to lkrandona and in nther waya．
＂The rates of tive（． 1 I．R．，＂avontinued Mr． t．uxhin．＂are umioulite lity excemive，compar． el with any cother rates pulalinhorl．At the eanore tine．，our juarrel is owit with the C．P＇．R．．loat with the 1：co ernument．The a：overnument ami mit the 1：．IP．At．are guandians of our righta． llut the wisme of un calaont umierntand the purivis of the $(\because$ IV．K．in insisting on the moveropady in Nanitodia．We are conviberel that in ohongs mothey arre stamdiny in their own light．They have an extramive land grant and they，aluvie all wethers，are interested is that rapil soittetrent asod colbarization of the crowa－ try whith wrowld remalt from the lmilding of the mew line．＂
＂Suppmaing the $\mathrm{C}^{\prime} . \mathrm{I}^{\prime}$ ．15．were desinomis of －elling mat－－keock，reack anil harrel
＂．That in the omply theowy which their ac． civom in capulite of explanation that they wame tho well onut or alauwion the revel．They hare threakerowl Wimmipag that they will sinketrack
 a sourt－wh This in simply gurrike．Wimai．

North．weyt．and if the（＇P．K．were to ajile． truck Wimnipeg it would aimply mean that they wruld lame mont of the lmasinese of Mani tulat and the Nisth．werat．We langh nt that． But the laul faith that is implied in that threat is the wormt feature．When the（＇．I＇． K．cromed ut Winnipeg it lid mon on these cron－ ditions．Winuipeg gave them $\$ 200.000$ in money ；it gave thens a site for a railway ata． tiun ：it guse them exemptian froun taxation furever and the ume of the fanise lirilge over the Hed River，which bridge the city owned． All theme the railuay git for nothing，the principal condition being that the company would furever manntuin workshopan in the city of Winnipex．all the workohope necesuary for the Wanitulas divisione of the C．P．K．Not－ withatanding that adernn agreement they have thrratenell the city of Winuipeg that if they keep up thin movement they will move the Wonkshopm from the city．We do nut care for thut，but we regaril it as a very serioun matter that the company should liave so little regard to a anlemn agreement an even to threaten auch changen an that．Hut while we appreciate the inmarality of the threat，it does not troulse ux，leccause we are persuadel that the C．P．K． callunt side－track Winnipeg．They cannot mend passengers any ，other way than liy Winni． p－g．If a traveller foand that ane of the lines paming through the North weat did got go through Winnipeg he would not take that line． We do wit thisk that the policy of the C． 11 ． $K$ ．in the North．wert is a loruminuimied pulicy．
－What alxout the prougreas of the osountry ：$\because$ ： ＂．Notw ithatanding all reports to the coutrary the poppulation of Winnipeg and the North－west has lwent decreacing，rather than incroasing， during the lant two years molely hecause of this nompuguly pulicy．The crop this jear is moch larger thall it ever was trefore，aull ule grain onerer linokevl mo well as it inces torlay．（＇ut． ting has logun and the entire conp will lie in lye the lat of tirptemiler，and hy far the greater part of it loy the 20th of August．The area mun in han very conaideraloly increamed apd the wratior has leen everything that could be de． sirel．rain having fallen when it wes mont serilol．Fional prosent appownanea the catire aren of wheat canmor yichl lema than 30 haslocls in the nere．＂
－．Why diol yout fiend it recreseary to import omis fromi thiturio，lant year？＂
＂Whike the C＂．I＇．1s．work wan ging on sata were nt a high price，aud on the acen of guta mon was increamel until the worls cemsed and there was no market for nata，the price of which then fell rery low indoed．As a onmas． yocrere of this the cultivation of oute was to a grout extent abandoted suod art ewough was raised for lowne crasumplion．The farmers are rrally improriag their meolition．They are going largely into mixnl farming，socts． raiming．cle．，inatomi of contiming ethemedres so whoct．＂
＂What in the prive of mant in Wimaineg＂．
＂We pas abront lii reate a proumi all romad， Inot it in aemerally thelieved that the trutelore makes an inorotiante profit．The proent price of moat live wringh，is it center pur praind．At that price atock can les raiarel in Mamitentan at a provit of a howornd per omit．We can past up and foed hay for a chollar and a half a trom．

Three tonn will maintain an nuimal for the winter, that in 84.50 , or 813.50 for thrre wintern. If proper attuntion is padd to the breeding and kerping up of atheik the dumsal will weigh 1,200 lhs., and that woll allow for all contitugetcoten athl give the farmer one hombind [war cent. protit. An I said the people of Manitwion are getting rind of the notion that they can make \$20 an acre ly groming wheat. They are going more into miserl farming and their cundition is improving an they do. In the city of Winuipeg huminem in uot runhing. It is guiet. But the contilence that the inhiahntants have in the future is manifeath ly the improvenents that are now guing on ber 8400,000 wurth of building in undes way in Winnipeg to day. The combtry, we all lelieve, is as grohl as it was ever repremented tulw. and the policy of the fiovernment is the only thing that in holding it hack."

## Commenting upon this the riloh, sitys:

thewhere we puthlishan intersien with Mr. W. F. Luxton, of Winaiperg whome eentinente regardisig the Ked Kisel Villiy Railway amount to evidence that Mantoin han alremily defoatel the lhuminion diovernurent. Without any authority in law, in the verength of a provincial act destriyed hy dianllomance, the contractora have graded twenty-ms miles, lave crumed pullic highwas a mal traverned private lande. It is withins the porwiol of any private person to procure all injunetion from the Manitolos court againat aurh ctoxniug of higgivaya, and any proprietor whome latod lima been treapacmed upon coulil similarly involie the law. Thus any atticial of the lhominion (iovernment or of the C. I'. K. (io. might the made an iustrument tos hiox-k the lumbling of the rowd. That such interferebset han mot lneea indaced by either the government or the company indicaten mtrongly that mo attempt will be made to lanilk the euterpris. The occamion for legal interteronce offerel hy the trespames alromily commiteal by the constrac. tone are at good as ans occasion cani lic. It in not within the power of the Inminion lisvern. ment to interfere arlsitrarily : they munt prow. curc upponition tnrough the conirts if not at all. As they have not caused any lagal action to tre takea the presuluption is that they do mot mean to do anything of the kind. Nir Johas Mecolonalilis hesve for - martorly insec. tivity " is scareely on ahoorting that he will refrain from blocking the enterprime till the moment of its courpletion, whell interference woold exaepernte the people us thr bigheat degree.

Het if the IMmaiaike diorernamont has practi. cally retired from the content the very serions spectacte of a succemal defiance of the onpreme (imadian executive in prescatod in the haildiag of the Red Kirer Valkey Reilway.

If:-allowasce hae mot chrected Masitaba. Hy common comeent ber perpile ignore the foderal power, and treat their own Irgialation an anticiene law for their purpmark. That thay have moved rixht on their ainde is true. Thate they have the might is also true. It would live totally impmoitite for cher eastern provinces to hold the Xineth. Wert withont the comemet of ita inhatitesta. sterung in right and might they have, according to Mr. lamx.
thin, practically net aside the commtitution of Canala and are in revolt, in releellion which is the matked liy lilamikhed, nimply lne ostise the lomimon liasemment refiain from incok ing courte whane urders for interference with the ralway combli mot lne cathed intur ellect without cansing armed mathacetion the -pecturle alnost amounte to the dixablution of confederatimn, and it is minch to le deaired
 of the lied kiser Halnay contrameon bhall lwe maile legal at the earlicat possible moment.

## Red River Valley Railway.

Tur nonh on the Red Riser Valley Railuay. the Manituln line uhich is expecterl the crom.
 atcadily since the letting of the contract. and it in combidenthally ronerted that the roml will le croupleted thix fall. Mr. Hugh Hyan, the sontractor, is reported as naying that he antici pated no diticulty in making the necestary connection with American ruming. The gral ing will be completed lefore the emd of the month, the cuntracta for fencing are leang ontried out and the lirijgisug which ix very light is under way. A rumor is afluat to the effect that the Manitola (iovernment will find itself unalile to pay fur the rimil when completend and that Mr. Kyan will then haur it wer to the Canadian l'acitic: On the other hand, the friends of the moul alloge that the kouls which have lnen inaved on the general credit wf the
 topay for the monk. can lxe custacel at any munent. the anly pueation $l_{\text {a ing the rate at }}$ which they are the ine abll. Since the almone was writurn the ntatement han liecon telo. sraplieal to the daily pross that Mr. Vins Home hax cridered tics and raile rails sent at Fimerwoll, with a vion t" making a lenp line from that point to Inamentich duaction. This will form a track which the Heri liivet Valle? will have the resse in order to reath the lsom" dary, and thia rathat in olone logally uithont the comment provionalv alitatined af the rail way crammite of the l'ris! (inllucil. Mr. II. 0. Strong. ciniof ansimer of tha lied liber Valieg is reporturl an saying that it made mo defferenice hem many trache werve laid fon them turom, thil that * the Reml Niver Valley

 trary and illu;al versaning.

Is berping ulp with the taphel unovomant ent eventa in Manitolona pumemeript must lecailient.
 head off the lied liiver Vintry was in the form of a apar at Morria, but the Manitachan mon defiected their line to the hightyay and thns got arvinil the apur. im the 2lat inst. appli. cationa was maic for ath injunctacon om hrimaif of a Mr. Itrox mings, un wor of mone Jote mear Mreris, un pervit omatruction wier hin lamd. Ily extracmilinary exertidata, lioweler, the mathconcractor, Mr, Sitrwart nuccoviel in making the grate suthl feming it in hefore the imjuser
 ment in Nanitedon wer the afrair. Trw firat the of rails han arrisel and the laying of raila is peoryviling Hown. Iolhn Norypay. Itromier af Mansiundom, vatue rant In form the injunction
 atill is as chia inge gow to prean.

Procredings of the Committee on Uniform Couplers.

Int Committer on liufaim Ir.aw. |sarn and Couplers fur tiothet morvice, appointenl lay a comihnations of importuat roads anl which han revently lacen referved ta in them columin, Held a mreting in Nen Vork (ity, Weducomay, Itlly $\mathbf{g}_{3}$. There nere preent. Mr. Wm. I'. Shimi. Chairnath, and Meaers. A Ii. Jmrwin, f. V. Wider, Jasme: Mechasi, Reulen Wella anil T. I. Chaptume. Мexalis. (I. A. Haynes athd W. T. Nimall merc unarondably alment.
 palment, V'nited States Army, the expert
 of the (ommitue.

The varinus pennte incolved in the Connmit. tece programnie of teate wele freely hiscusmal with the follawille remult :

Finxt. On motion it was ununimounly rewhind: That ufter full conmileration of the rewilts of the preliminary tests male under the directun of the Comumitter, and in view of the evident supxeriority of a close coupler of thi iertical hook tylw, which will couple the . thil with others of the name clase and type. thiv lonmituer will antmit tur further consider. atmon ouly such couplers an are of the type Lnown an the Janaey type ai vertical hook complers
sreond. Capt. 11. F. Michaclis preseuterl and real to the Commithe hia preliminary re. frist regarding a progranume of phyaical tests of implers. The report was on motion unnannously mectpterl withnut discumion.

In this repont ('apt. Wichaclas assunce that Ialouratury phasical teats lave heretofore had fon tiseir primury oliject the deterninationt of the vtreugth of the katuchles. honks, tumbleis or loy w lastecer uame the immediate coupling Hon ea uay lec calleal, nud thent critical examinstion into outhes integral parts of the aroupling devicen, such as the heada or housinge. and the leating pina uaml an axes of rotation or linkg has licell cromparatively urglectell. H. Inclieven, homever, that a pmoramue of dropteata can lo devisecl which will repromluce
 st cath, develupect in antual mervice, and which will give unimpeachalde resultx. in less time.
 than if the name couplern were tried on nowing corx. Then with the retnits of auch a ewntruylated exhauative teat Indfore it, together with the expert detersuinations of its nembern, an t. the alaptalility of the coupler for ite apmend work, the (ionibittec coulal mot fail to -rinac to a serrect heciaina.
(Aptaju Nichaclis mukes the following ung. greatious alwut a pmagrambere of teats, viz., that live impant teite nlould be divited umber twro principal beala :
Iat. Prolinary tente reprodecing uamal curaliticen of acrice: and zed. fixtrawili. bary tents reproducing upunaal comditions of mervice. The prelimionary texta should lae tervice testem, and as the aborka in cident to the mervive are duc to guideal inown, the orlliciing mamen monving of raila, there ons Ire mionjectinn melranceel to the ame iof a dmp noosing is vertical wagla $A$ pregramewe of braniping emeta connot fail to elimimate the aya.
tens not worthy of merious conmideration，and its execution will incilentally and necemarily develop the absility of the respective couplers 4）withatunl the pulling straine due to the wiorting or suiden apeeding uf of traina．It might be well tos auliject the selected couplers （s）static atrins on the treating machine，with－ in limita，based upon conditions fixed by the Commiture as comprwell of milroaldexperta； for inatance，the steepest actual graile and the henviest traing going over it might le taken as the hasia for thia merien of atruia tentw．

Thind．In motion it was unanimously re－ solved ：That the report of Capt．Michaelis be referrell to the Commitsee on phyaical tenta， which was appointed at a previoua meeting． with authority to make such phyaical teatu as they may deen to lec neeessary for the full guilance of the committee in conformity with the suggentis a of the report．

The aub－cummittee on phyaical teata con－ niste of Merara．Win．P＇．Shiun，Keulen Wells and F．M．Wilder，with（apt．（）．E．Michaclis as expert．

Fourth．In oriler to make provimion for the service tests，it was on mertion ununina reoblied：Tlant the accretary locistructed to call upon the owners of the couplers which are to be further investigatell by the Cummiltee， roxpucating each in furnish the（inumittee with tive cara of forty thousand pounda capacity or ＂ver，oyuipped with his coupler and delivered ne such point an may loe arranged for，where service teate can le inale of such cars in timins， and that the owners of such couplers as do not alrealy couple with the lanney be roquented w make auch unolifications as will enable them to do so，and use only such morlitied croplera on the carss weat tes the Connmittoe．

It wan aloo further provisienl that thic matter of the arraugment for service thate shoulal le referral to the same suls－counnitiec ase that which haml charge of the physical texta，viz．： Meeara．Win．P．Nhiun，F．M．Wihier and Koulven Nells．

After the transaction of same octier routipe busincsa，the cominittec arljourmerl，wuliject to the call of the climirmana．

## Singeton Rombrake Mining Co．

The：capitaliste who organizeil and grumoted the Kingatom it l＇emiwrike（imuprany made a thorough inapretion of the minen so far openel． At the organimation meeting the following inticern were electexl：－－Henry veilert，of New liow，premilent：II．W．Folger，of Kingeton， vice－pmesident；D L．Iiiblons，of New liork， ecerretary：Ciemeral Namuel Thoomak，of New lork ；Henry Seibert，of Nen Iomk；W．W． forger，of Kiugatom ；F．S．Phower，of the New Vowk Ntarek Exchange：W．R．Stirling， of the Joniet Nicel Compmay ：W．H．Holliater， of the New York Nerock Pixchunge ；W．1：Sol． hock．of STevolamen：N．F．Couper，of New York，and I）．L．riillomen，of New Vork，werc elected directory．The capital strock is tive millicone of iollara，and the shares are worth 293 auch．A charter han lreep obtetingel froen the I＇rovisece of Intario．The executive amomittiee are compmeel of the precident，anol W．（i．


L．Gibhonn．The place of business will be in Kingetun with a branch oftice in New York city．W．（i．Pollock and B．W．Folger will loe in charge of the Kingaton bunineaa．Npeak． of the Willur uine，Mr．W．（i．Yollock，to whom nearly all the ore that is sent from King－ nton th Clevelaucl gres，mays that it is the beat iron ore that can be procured．Speaking of che mine，he uaid that it presente a different and letter appearance than it did a year ago， when be visited it last．One hunired tona of mineral are now takon from it daily，and the conngusy expect that when the new machinery has lken orlered，is in pomition that three times that amoult will le taken out．Mr．S． L．George thinks that the ors is fifty per cent． leetter th．an when he saw it lant．He lvelieves that at a dopth of 220 feet from the aurface ore can lse found．

## The Fasteast Track＇aying on Becord．

Mrinhs．Nubpakid at Wington，the great railman busililers of St ．I＇aul，are fur surpasking even their own unrivaled recornl in the rapidity with which they aro puahing the Montana extunnion of the st．I＇aul，Minnenpolis \＆Mani． tulan Hailroal．（hi inturiay evening the end of the track rewched a puint 254 milea weat of Minnt，and by the middle of next week one－ half of the distance letween Minst and the firemt Falls will lie finiahed．Un Siaturilay luat 7.20 miles of main track were ladid，boing the largent annount ever haid on any railroad in oue day and from one end．The following is a record of the lant thirty days：

On Saturiay，Ju：y 16
Miles．
Weck aminy Naturiay July ．．．．．
7.20
days（or within 1.000 feet of 30 inilea）
39.81

Thirty lays ending July 16 （one entire day lumithy rain）．
103.80

These distances far surpases apy previous re－ corl of tracklayiug from one end．In the rapid sonstruction on the Caumalian l＇acitic the highest record was as follow：：

Milea．
Firr one lay．
6.38

Fir ane week
24.62

Fior numth of July，lasx，thirty ane days．
92.35

The ilay＇s wrork accomplishell lant viaturday required the tranaportation，delirery at end of track and uuloaling of mearly two hundired cars of nuaterial and supplien．This wat done without a momenta delay to the tracklaying， and is in the higheat degree crolitalde to Siupt tigan asel his maistante at the front，who have condinctal the tranaportation departmient so ably nowl succesaially that there has mevor hoen aay delay whalever in furniching material and supplica at the froat ase meedel．The tract that juat entereal the valley of Milk river，and the comilitions for rapid worts are move farmable than before．It is cuafinleatially stated that the reonel give a abore will the eclipeed in the near futnre．The grediag is oumpleted 100 mikea from the cand of the tract，and the grad． ing forroes are diatriturited as far wout as the coal hanks， 30 miler and of the rirent Falla， and within two weake the work will he coverod


## The Railway Service．

A mtatement from Mr．Merbert Wallie， mechanical auperintendent of the（irand Trunk，shows that the Montreal shope have built so far this year the following new stock： 160 long carn for the conveyance of cattle， 200 cara suitable for either coal or lumber， 12 apecial cara fur carrying hormea， 12 handeome firat－clasa，with lavatory and other conveni－ encea，previoumly mentioned in Rallway Lafg， 4 apecial carn fur carrying fruit on pamenger traine，and 6 locomative engiues．
isivi．of the ruilway telegraph operatorn are moving th mecure the presage by congrem of a bill muking it a penal offence for any railway company to employ a telegraph operator to direct the movement of paccengor trains who ham not been grautel a goverument licence． Nuch a law is expectell to secure greater eff． ciency in the highly important work of train diapmathing and to wood out incompetent men， and yet it would neem an if the railway cons－ panies were sulticiently interented in having only capable men in these respomaible positions not to require government amiotance in the matter．It is a quention whether state or national interference with the eluployment of railway meu is a derirable thing for empluyers， enuployeen or the public．The state of Alabams receutly paseod a law repuiring all locomotive engineery to olitain a license and this io already creating conaiderable trouble．The cayibeers it appeara generally oljject to the reyuirensent， although it would have the same tendeacy to keep uut incompetent men that the propowed Law in regard to telograph operators is expocted to exert．－Railuray Aye．

Mr．Murercis Fuewes，the Wyonsing cattic king，write to the Prall Mall Iinerlle reapecting the depremaion in ranching in the North．Weis ：－＂What would I do？I would move and move quick，atock，lock，and barrel， into the Britich North－Went．There is a country as large as all Texes，tribatary to the Cinnalian Pacific Hailway，and only a manall corner of it，in ：Nouthern Alliserta，stachoi at all．If I were the scottish invertor，who is offen a man of sease，and who hat invested sonve neven milliona sterling in＂the coo，＂I would try to settle thia ranche qoestion and the crofter question at one and the sanne time． Migrate the erofter hy thoumande iuto fertile Manitoly，and migrate the cow to he canod for lay the croster；there is ample roan for both in Manitolen，wherem there is not room for cither as thinges are whother in Sontlund or in Wyoming．In five yoars the crofter coald pay；for the cow，aud with grod intervin，out of her iscrease．suach a perjoct is quito fres． ible．I would contruct in irive catele from Mexico to Manitoben for ech ehillinge a hend． Crofters won＇s evirgrate to grow wheat at any such prices as thowe now olvaniaing，bat mixed farming，with hute of live stock，would rolieve Scoeland，anve the liree of our cown，and belld up the Ilomiaion．Souttinh companica，after a litele talk，womkl be coppeble of soch setion， trat an to Kagglich tharebohlers，they won＇t move．＂

## useful, reliable: A NEW INVENTION: and valuable.

## The Steel Seat Railway Rail Chair \& Rail Tie.

Patented May 14th, 1887, No. 26,716.





Fig. 1.



Figure 1 ia a meat view of the Chair, showing the place of the rail, the place of the chair hack, and places for the spikes
Figure $\frac{8}{}$ is the seat and buck of the Chair, showing the front aide of the back, with rilue for kreping the ruilu foms linplacement.
Figure 3 is the Chair (position changed), showing the bemis of the rivets uniting the aest and back, and the ritus that utrengthen the back and prutect the Chair.

Similar letters refer to the parts dewcribel in the views:
II is the chair aeat of "Bemenner Steel," half inch thick, if inclee wide, and 12 inchen long.
I is the rail place ; at the riylit is the chair back place.
L is the place of a part of the chair back to stand betwoen a part of the rail enda to keep them each to the proper place.
I figure 8 is the hark on the reat with the front in view.
I in this viow is a part of the bock to stand between the rail ondn, an seen at L figure 1 . It securen the raila from diaplacencent endways. Ite purpose is the same as the poot $D$ figure 1 in the " Rail (irip," No. 23,040, patented tu the undersignell Mec. "E2uid, 18sí.

II are ribe ou the inner front aide of the back two inches apart. each being one inch from the end of the rail. They extend from the beck inward to the neck of the rail just over the bottom part, to secure the end of each rail th the eent at thic time of frust leating, when a poesible depresaion of the meat may occur, thus keeping a anooth surface at the joint. being oupported underneath by $u$ seat that will not break or woar cut, the rails being kept thereon mocures that mont desirable effoct, a smooth nuiface.

000 figure 3 are the ribs which protect and strengthen the back; they admit of a hollow space between then to reveive the rivetn,
 of great cruating reaintance for the back.

## rail chairs on a wooden tie.


 readily laid and tept in position by ordinary anea, reguiriag oply to be apiked to a wooden tic, an shown in the illustration alove. The seat is reliable, having foen proved by actual expariment; the bock in a safe support onder all eanergenciea, being rivetod to the seat with ateel riveta. The combined atrenpth of fowr apiken, two being through the seat, pecures the chair and rail ende therein to the worden tie, and thua givea dowide strength againat outwand premore, the effective way to aroid dimmerra hy rail apreaning. There in no heavy presaure ou the rails Inwart, thereforo no apocial proviaion is mocemary for that parpoee. A reliable, eoduring meat covering a larger part of the tie than the rail covers (the chair sat covern more that double the gerfaco), aaving ordinary ties from heing cut, hammereal and ilentroyen, ia the invention that is required, boing a valuable improvemont in croneing rail joints.

RAIL ORAIRS AND ETEEL TTE COMBINED.

 Solid (lroand. The lack of the chairs in the mane m thowe on the woorien tie. on the fromt, or inside of the rail, a section piece ia riveted tu the semf fier mongh froen the rail to adsuit of it buipe removed, or taken out when requirod; betwean the section piece and the rail a tey is placed to keap the rail socure in the west, it joina the section pieoe in a half dove-tail, by which it is prevented from riaing out, the key ex keads
 the seat, the bolt is topt from tarning by a guard himpod to a rib on the key, and this ril, protects the guarl. The key and appenulagea are
 remore raile, and doming wif to mecure the rwid to the chair meet.

The fateat Right of this inexpenaive, reliable rill chair and tie, with the uther latenta mamed, for a limitrol time only, are odicimalde, for ourtain defiad time of Exilway, or tretiones of the Domainion of Camade.

P. De GUERRE, Inventor and Patentee.

## MCKECHNIE \& BERTRAM,



Manufacturers of all kinds of Machine Tools and Wood Working Machinery. Our Tools are all made from new arid improved patterns and with the latest improvements. A large stock always kept on hand, and those not in stock made at shortest notice. In our list will be found the following:


TO ADVERTISERS！


 Clrculation：Tlic alderilwinent will agnai 111 bint






We have just igained a new extition the laith orp our

 DAILY NEWSPAと＇EKS IN NE：W VGlik cits，whoth thelr Advertinllg ratex ins in Citiks having mone

 vertige every eretho it the country．Iredng a cholle

 In many prlacipul citw unct sowna a line whill ciffers


CHHE BEET LIST OF LOCAL NEFBPAPERA，cover
 pant county nut． gryghect LinT OF I．OCAL vertipernents art lumertul at haliffictiluage NETVSPA peks in which alvertise munia are inserted for \＆1．40 a llte and alprar in the Whole low－one hinifn
gant tuany uldrea for Thifity CENTM


## P．J．KEATING， （Bnccensor to Keating \＆8mellie），

## FASHIONABLE TAILOR

612 Queen St．West．

Railroad men favoring me with their orders will have perfect satisfaction．

LOCOMOTIVE FIREMENS＇ MAGAZINE



BROTHERHOOD OF LOCOMOTIVE FIREMEN OF NORTH AMERICA．

EUGENE V．DEBS，Editor．
Published Mouthly．Price，$\$ 1.00$ Per Year．

## いいいにない：

LOCOMOTIVE FIREMEN＇S MAGAZINE， Terpremame，Imal．

BY ALL MEANS READ

## The Way Bill，

 incomparably the best． the nfatest．the brightest． the most rellable， the most entertaining and the most popular Railroad Paper in the States \＆Mexico
A．we．ial facmite with Amencum raihoud men in Callada，on the Isthume mind sumthern Cimmentit．Thinty cohumus of umpuntunt mattu imenthly．spectally congrawed purt ．ant． and contenled liogsaphues of prombulent lail
 ant tum hy employeres．

Ahhess，THE WAY BILL．
ter Niwn it．．Non Jukn．

ESTABLISHED 1858.

## P．BURNS

 Wholesale amd hetail dealer inCor．Front and Bathurst Sts．
Yonge Street Wharf．

534 Queen Street West． 390 Yonge Street．

51 King Street East．
TORONTO．
TELEPHONE COMMUNICATION BETWEEN ALL OFFICES．

# The Rathbun Company DESIRE ORDERS FOR <br> Railway Platform and Box Cars <br> ALSO FOR <br> HOUSE BUILDING MATERIAL <br> In Pine or Hardwoods，and are prepared to buy or sell <br> Railway Ties， <br> Telegraph Poles， <br> Fence Posts， <br> Culvert Timber <br> and Fencing． <br> Alsp offer Disinfectants for Vaults and Ceas Pools，Fine Charcoal for flling in between joists and studding of dwelling houses，root houses，refrigerators \＆c．Also offer to Railway Companies a <br> cheap，durable BNOW FENCE． <br> the rathbun company，deseronto，owtario． 

THE RUSSELL, W'PIANA. ANT.


KENLY \& ST. JACQUES, Proprietors.
J. M. PROCNTER, (L.atte with Kant IEron.) swiss, enflish, and american 11.111.11\%

Practical Watch-Maker, Jeweller \& Optician.

 in thernts
IB: gle EiEN NT, WENT. TORONTO

## The Railway Lantern

 FOR 1887.The biut amil omly Muxthenel limh wad and



## Subseription, $\$ 1.00$ Por Yoar.


ter railway lantedn pub. co., Imallanaboullo. Imollana.

## SHORTILANDERS




VALUABLE PRIZES



 -






COSMOPOLITAN SHORTHANDER,


[^0]Muskcraa and Nipissing satieation compant.

operating daily steamers upon the
Lakes of Muakoken, Georyian Bay,
Uppor Magrotawan Rivar and Lenze XTipiasing.



Secietaly and Treas. J. A. LINK, Giauenhurst.

Pairy Sound.

CAPT. BURRITT, Burk's Fal/s.

CENERAL Office, cravenhurst.
Tickety to be had at B. CUYBERLAND'8, 72 Yonge St. Torouto, and all Agencies of the N. $\&$ N..W. Rys.
For 'urther particulars apply to

## A. P. COCKDURM,

General Manager, Gracenhurst.
Or to roseat quinm,
Gencral Pamenger Agent N. \& N. W. Bys.,

## WEBSTER



Thi. Latest Edilion liav $118.00 n$ Wirdm, and ly shm tugr. Amいr!
 1. rums w. $1 / 10,000$ Noted Persons. T, in, vi-

JTSE ADDED, (1885)
A NEW MIRONGiNNTING
Gasetteer it World,
 Catural I..nt!l. 4., every part of the Globe.

## WHRertx: 18 THE sicandan

Authority uith thi U. S Supreme Court ind in
 l.j the dealing College Presidents 36 States. .ind : K.,
 thonary it the litugnice.
The Duntorls Reven London, vas : It
iv the Incit jrat that llictionurs + vt int Eise Calcutt Boplishman any, It i. th.. must inertert nurk at the kim.l.
 In: in fis the wry luxinewt rak.


It is an invelual


 Apringtield. BIanc., I.N. A.

## - Intercolonial Raiiway of Canada -



## Canada and Great Britain,







 Passemger Agent, 93 Rossin House Block, York fit., Toronto. (ifio. W. Ra)blNin S, Eastern Freight amd Passenser Agent. 136 h James Nt., Montreal.
A. BUSBY,
Gionerai Paseenurs Agent.
GEO. TAYLOR,
Cienoral Freighi Ayent.
D. POTTHNGER,
Chief :ưuerintontent

## AMERTCAN

# ELECTRIC MANUFACTURING co. 

exceovidve ofrions:-Western Union Telegraph Co,'s Building, Cor. 23rd St. and 5th svo.
This Company is now engeged in the manufacture of the most complete, economical and efleient system of Electric Arc Lighting ever invented, and will Contract to Construct and Install Complete Central Stations for lighting Cities and Towns under the well-known
AMERICAN
SYSTEM OF
ELECTRIC ARC
LIGHTING.
 dynamo-electic geverator ocrapies lemspmes, in lighter. reyuires legs motive power, and costa lens that othera capuble of producing an unnal
 the parts from this cause than is the cane with cther inachincs. It requres no oiling or other attention than to be kept cleain, and its extreme simplicity cuables it to be opernted with the minimum of skill aud attention. The current regulator and signalling wppalat.on, by which the machine is made bo generate the exact carrout required for may primber oi lights rom ore to ita full caparity -ass thoy are turned off and on without chango of inped or woote of power-is simpie effertive, and safe. Its lamps sre reliatle in nperations. the carbon-regulating merhaxism being sboolute in itm jontaol, durable, andi unaffected by changen of temperaturc or weather. They are of ormamental design, and the ateadiness and purity of light proriuced are natequatied at the samp expenditure of power.
\$poofal Attantion giveu to installing Ibolated Plants for Mills, Factories, Shops, Railroad Buildinga nend other Buildinga where large speose are to he illumipated.
 ARC LGRTING, COSBINED WITH ESTABLIGHED OR PROSPETIVE :IAS PLANTS.
 in the work aro already adoptang this plan with natiafaction widneir cratomers mad profit to themoelves.

# ZWITHOUT A DOUBT $=$ <br> THE <br> <br> CANADIAN PACIFIC <br> <br> CANADIAN PACIFIC <br> - ERAIIWAY. <br> POESESSES THE <br> <br> - FINEST ROLLING STOCK - <br> <br> - FINEST ROLLING STOCK - <br> IN TEE WORID: 

It is the safost and quickost road to travel by betwoor $9 \cdots 3 \mathrm{boc}$, Montrcal, Ottawa, Kingstor, Toronto, and the Wostern and Southers States, close connection bown: made at St. Thomas with the Michigan Contral Railroza for Detroit, Chicago, ste., \&ec.



W. C. VAN HORNE
D. MeNICOLL.

GEO. OLDS.

HEAD OFFICE, - - MONTEREA工.

- G. LOMER, Jr., Agent, Montreal. .

- GERMAN STEEL RAILS -

TIPES, Wrought Iron wa Steel Wheels, Axles. Crossing Points, (Boohamer Verem make.) Charcoal Iron and Ster BOILER TUBES Dasseldorfer Tube Work make

Iron and steel Beam, Angles Tees and Channeis, Iron and Steel Boiler Piates, Bradge Plates. Hoper: German Pir-phor Bronze Beanng Metal.


[^0]:    RUN ON TIME.
    ALL RAILWAY MEN "n,i.n.unw , thin
    
    
    

