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Vol. II.] $\qquad$

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lailwas liuildink by Moonlight
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Miscellancous
Advertiscments

Sin thousand feet of the great tunnel on the Castade Division of the Northern Pavific liave been iored, and it is expected that work wall be finished by June Ist, 1888.
The Iron Age says: The condition of the Bessemer steel trade is not satisfactory an could be desired, but it is far from being as demoralizing as would appear from reports emanating chief!y m New York.
Tur: Montral Elevated Railway project seems to be taking shape. Hon. Ionis beaubren is president ; I). (iraham, manager, and M. lerrault, necretary. It is clamed for the rond that it will le: muperior to thove now used in cither New lork or Brooklyn; among other thans curver could be turned more sharpls.

A wespenveli from Montreal, lecenved ay thin iswue gome to press, staten that arrangemente have leen made for the completmen of the lied liver Vialler line. Of course this, like most other despatehes of the sub.

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TORONTO, ONT., OCTOBER, 1887.
ject, ia already denied on alleged " good
authorits." virtual abmadaniment of the ? at the leginning of the present goveriment to buld no more railway linex Late from Sileria to the Pacitic are to lee convtructed. and another is contemplated from Titlis to Kary.
Tus Finglish press generally speaks very favorably of the Canadan ronte and endorses the action of the government in grantming the sulsidy. For instance, the Saturday Review sayy. As far as the carriage of mails is concernced, the allantages of the Canadian route are beyond quention. Be. fore long the mals now going through the States will be transferred to Canada, which is a gain trom at mational pont of vew. The military advantages of possecsming a gumk vereland route to the cast, wholly withm the empare are esen more olswous.
T. A. Ebmon, the mwemor, and a party of scuentists and capitalises lately went to Fabton, I'a., and back aganli to New York on a special tran to tert the norkings of the valway telegraph, hy which mesuasem

At a meeting held in St Martin's, N. H., to reorganize the S:. John and North Eitwtern under renewal and extension of charter, the following officery and directory were elected: A. F. Kllrain, president; W. 11 . Rourke, Louis De Bertratm, lR. O. Stockton,
Charles D. Jones; W. F Skille were Charles D. Jones; W. F. Shillen, yecretary and treayurer.
There way an excurcion to the end of the track of the laurentian Ifalway on the $12 t h$ inst. At a lunch veried there Hon. Mr. Mercier, premier of the province of Queber. responding to a toant announced hir earncat desire to put Montreal in direct communica. tion with the whole of that splendid hack country, c:tending for hundreds of wides from the Saguenay to the Ottawa, at the earlest posshble moment.
A hecent cable denpatch contains the fol. lowing:- An engineer says the preatige Canadia han secured by the completion of the (anadian lacitic Lanlway is exercising powerfu! effect on the minds of the Russian government and people. One result is the conluris tis opence the rejorts of the large depority of exper It that repion, which he clasen as exceptionally sioh. He next isited port Arthur and exammed the tron depmotita m that merghtromeot, where he was slown somer ablendad vpecimens. He lhe fro ceeded to Jethmadge and was well pleased with the coal fomminthat aret om, thequathtity and quality of whalh he comblider elltarely rettley the quention of the future fuel suphls of the Nurth went. Ho irensed the Selkition and Rockies to Hanivh (oblumba, and do scroleses that reglon as able vant led of minerats almont wholly umberlobed, a there is sarcely ans minms hemp arrient on in uroportion to the immanace amonat of man. aldeponts. Allogether.the I'rofecoor', ven of the regamu eraversed lis himm are of the most satinfactory charat fer, as temalink to show the mamenaty of the undrechoped


## Personal.

Sik dirns.ef: Strmbs, Pesmilent of the Canalian Buatic, wall wat England to at range for the boilitugg of the ce powe ful stram enst, (k) tums ewh for the Pacitic Oce.0 service.
 the Sinth Winat Conumell on lizth mast. In his noweeh he expressed much plessane at his tip
 gratefal at the opromg up of it matiot in the west for stuples proiluced in the ternitumes.

Mr. J. K. Answ (a fontmer Lomboner). Superintemdent of (hicug" \& West Mehig.an Railroad, haw decluned the offer of Supetin. tedndency of the Toledo, st. Jemis is K innsus Gity Raluay, male limin by bexitent s. K . Crallatay.

 home secently from a tua months shetchong tour in the Sowhies He monght back wath him stmiles comong to make wouk for ham for th.) or thater years. Tomrists who passed through the mountains while: he was there have given him oriders for $\mathbf{3} \mathbf{3}, \mathbf{0 0 0}$ worth of pietmes, to be chahorated from the skethlies Which they sats, among the number Lord Elphinstome, Firrl Kimnaird, Lend Rigmore and others

Tine ammal mectung of the Ottana, Wiel.
 durectors and stackholders washedid the Rus. sell Honse, Ottawa, recently Thu resignation of the Hon das Redington, of 1 Whhington, presuleat of the "mиpaay, wa real. Mr.
 ha 1 acy ampelled to the thes step. His age is 75 years. The duentons emphathoally heny that aphlacthon has bern made fon a new dharter ta the preseat chather is amply suf. ticient ful all purposieq. limests what is termed the Fahinger Buard.
 senger agent of the ('undiat lavioc at Montreal, has beell apponited disthet passenger ugent for the same line for territory coverng Quebee Pioviace east of the city of Quebec, the Martime Prosinces and the Shates of Mane, New Hampshure, Vermont, Massachasetts and Rhode lshand Mr. Macpherson remosed to has new heal-quarters at 211 W whmgton street, Boston, early in the montia. The appointment is in aceord wath the polley of the Camadan Pacitic of choosing the very lest men for the great centres of luaness. By faithful service in the positions he has hitherta ownyied and by eaceptiomal ablity shoun in the discharge of his duties, Mr. Macpherson has proven himself competent to fill a langer fieh, and the upportumity to extund hin powers has treel given him. A host of friends in Caman a wish Mr Macpherson a comtinuance in his new sphere of the success whelh has hintherto been his, not doubtung that if his health is spared he will continue his sapid progress towari the tup of his profession.

## Construction.

Tur. Femericten bridge will noom be com pleted. At present contrimetar lhegan is dis. bomsing $\$ 1.000$ a day on the erection thereor. The bralge will be a fine statetare.

The Laine Eife, Fismed \& Detmit River line is lumg surveyed from Walkerville th Letaning ton, O.t., 39 malew, aml construction work
 is c'mef Eingineer.

 which operations hate commenned, states that alkut 1 20 inen and serenty five teanns ate at wook griwhing. The contract cobled for the completion of the amal hy mext lughat. The line would rim west of the ('. I. K. trachat fon some shat teen miles, when it wowh ensas it at Slurillo, and tithe a sontherastern hemd. Vise Shalonis of the firyt twenty five moley, Mr. Rass satys, will be somewhat light, bat .ffer that the work will lie hearaer. The present comthact is for the buhbing of "ighty miles, wheh will take the wial to within almut thenty miles of the looluilary. The Iron latage mad ruma up form buhath th the lommiay, and it is satid to be probable, when the Canalins: line is comstructerl, that it lank will ine buile to commeet the tur.

Tirt cat constanction wohe of the Rathinan Company, Deseronta, Ont., estal)isised for the purpose, in the hrst phace, of building stock for the Napanee. Tamuorth and Quebee roal, lave leen considerahly extended and are in a positan to everute orders from others as well. Nome cars are mon belng tarned ont for the Cinnallan Pactife

THF contanct for a thirty male extcusion of the buhuth and Lion Kange northerly fiom: Toner (ity moto the maning distroct has just heen let to Sheparil, Winston \& ('o, to he houltinmediately. This in only a part of the ultimate extension of this lane, whach is expeeted to ceach to the boundary, and there comsect usth the Port Arthur and Daluth, a part of the Canadiam Pacatic.
 eded, hants that the Red Rwer Villey romi will be completed ne t spring ander an arrangement between the lhmmion and Manihban Givermments. The Natist foreshadows an carly suremider or commutation of the monopoly clanse.

Tonsluw to what an extent steel is faking the place of wood in the matter of railroad thes in some of the forcign comatries, it may be mentioned that one Welsh steel works as wow executing a smgle order for 280,000 slerpersto le used on the East India State lialuay. There, as m many of the other eastern countres, it is not the scarcity of word which wakes the use of steel sleepers necessary, but it is on account of the ants and other insect pests which make the use of wond almost impussible.

Tur. Winnipeg Nomm! Call says:-The comictum is very strongly impresserl upon Che mani by the courge of evente that the Rel Riser Vialley Railroad will not be completed in time to handle this year's ciop. In fart, ciprations are practically suspended for the we.tsom, and are nut likely to be resumed until nert sping. The situation is a very unfortumath one, more purticularly as it appeare to hase lwen inought ahout by errors in judg. ment. Huta it must le taken in it is. What the next move will be remains to lee suen.

Tirf lltawa, fourual says:-The operations cht the line of the (iatinemu Villey Railway will lecemeludel for the suanon as soon as the suow renders it impossible to go on with the work. The work of conatruction is now being vigorously carried on in the vicinity of the leche and it 18 expected that ten miles of the tond will he completed this fail. Mr. Beemer intends to legin the work of ecnstruction rgain as early nest spoing as is possible and it is more thin likely that the line will be completeal to Waketielil liefore the close of nevt seasom.

Tus: Comadian Pacitic has completed the purchase of property on the Esplamade in this whty for the bulding of their direct line in frim the east and the construction of their Hreat cental station. Tle principal cause for lelay now, if not the conly one, is that the (ity Council has decoled to extend the wharf frontuge further out into the lay, but has not Necided upon a line for the extension. The Canalian l'acific representatives have asked the City Conacil to declare where the line is to be, so that operations may be hegun upon the necersary phling.
Tur Railway Committec of the Privy Conn. 1 on 2ith inst, hearil the case of the City of Toromen s. the (irand Trmik Railway with deference to putting giates on both sides of Simes Street, and also at the York Street entrance to the Umon Station. Mayor Howland presented the case for the city, and was follumed by Mr. Bell, Crand Trunk solicitor, who admitted that the crossings were dangerous, hat held that the strects shoulh be closed liy the corporation, which viell was sustaned by the committee, and an order was accordingly umde that the streets should be closed.
It is unilerstond that a company represented by Mr. (ireathemi, (. E., of London, Eng., who is at present builling the London and sonthwark subway, have made a proposition th the Itutimion (iovernment to complete the suburay across Northumberland Strait, dividing liance Eilward lsland frow the main land. The proposition is to take the P. E. I. Mailway off the hands of the goverament and operate it on a tariff to the approved of by them, and also a subsidy of $\$ 200,000$ per year for tifty yeara. Mr. Waltel stanley, C. E., has already favorably expressed his opinion as to the feasibility of the scheme of travelling under the stratt. In connection with the scheme, an announcement is maxie for the trst time of the inmense advantage to be obtained from this new scheme in making a direct line to the seabord by running trains over the short line and utilizing the nubway
and the Prance bilnard Island Kahiond to （iengetown，therely making it matimg of no less than $3: 2$ miles of water passuge and twenty four hours of the in a piasige foom Montreal to Liserpool．

## Bailway Progress．

Jost at preserot a falling will in the dimuluil for atcel talls will other supphes fin wes lat touls is reponted，although all the i，al mulls and other works are very bisy on orilers wheh will reduire sellice winhtlas yet to hill

 taken up at all hy investins．

An hise been heretofore noted，the buhbing of new ralload lines this year will pobintly reach nealy，if mot guite， 12,000 muley The constructuon of sugreat a mileage repures the investment of an enormous sum of money，and a large part of the surplus capital a a alahbe for such purposces has probably levell alreatly in vested，and its ownors ane molined to wait and bee the regult lefore putting in more． Then，again，the immediate demands of truttic will be pretty well satistied by the new haes now under construction，and there is not much disposition among the imesting public to put their money into purely speculative ailroads， in view of the evente of the past few years．
There are guite enoush of these apeculative railrcals building as it is，and a condtom of affairs which will prevent the umlettaking of more is not an ummicel evil．The sperulative toul is usually not ouly a waste of money in itself，but it is also a hindrance to legitimate enterprises which would really benetit the country．－En！jinerm！Journal．

## The Roarimasters．

At the meeting of the Rommasters Associ－ ation of America，on Ilth inst．，Mr Charles Latimer，Readent Engineer of the Neu York， l＇ennsylvania \＆Ohio，delivered the opening address．In the course of his speech Mr． Latirer said ：－

You represent for the most part men who， from sheer force of aduptablity of fitness，cidu． cation and atrength of character，have heen raiged to the position of guardians of the track of our great railway system；men who hd not crawl in through the cabin windows，but came throngh the hawse hole，i．e．，not hy favor， but by work，selected for position because it was uecessary for the safety of the travellung public that the most capable should be ap． pointed．Whatever favoritism may do to ad－ vance others，the ouly touchstone for the posi－ tion of roadniaster must be fincos，so that he stands independent；he can agy，＂I am ioad－ master because I was fuithful and worthy of my place．＂Only railroad men can underatand the serions responsibility of the position，and as one of you，with responsibilities resting on me，I fully sympathize with you in all your aims for improvement and true advancement exhibited by this gathering．

I have said that these men were faithful； let me point to your branch of the railroadser－
 shakery the with in the menien？，if Howlonn
 ful．We ill semembert lsiat the $\mathfrak{y}$ ，et of ther






 then of the a foole stantme，and if that gens


 Yinu fences hese remamed tille and litill th

 and yom luyalty trad to the uttermost．Your concer atesm is most phasenon thy．mont thank． wor thy，as we lowh יpon the millomens apent to onerride the litus of our chuitry．

## Increasing the Weight of Steel Rails．

 lines，at least，are reaching the condusion that the rapid increase in the wepght of tolling stock calla for heaster rasla the viee presi－
 ining Fingholi thack suphosthethe．expresses the opinon that，＂whil．the triach superatruc－
 for perfect wafety，it is toe hipht for ex，ommical mankenace，and that the weight of rats and fastemags we hase hardly hept pace with the moreased neight of locomothes and cans．＂ While a fen ot our romis ace acting on thas conviction，ant are slouly equipping them with heavier rals，the vast majority of them， motalily in the west，south and sonthwest，have remainel molnctent，and some are bot even withut the lamitn of safety．Orders ion io to inf pound rals for gitat lines of talroai even at thas tme ares，common that they ilo wot evell cause comment．If rals so light were used only on feeders．on wheh hight trains at＇ow speeils run at rate intervals，there nould le httle danger，ami the question of economy might he doubtful，lut they are land down on roads whech houst of＂steel rail tracks ${ }^{\prime}$ and fast set vice．Formealy those who bualt rallouds for the sake of making money on the construction found that all that it was necessary to state to those who took the bonds that ateel rails has heen laid．Now cospitalists are nore wary．They mant to kiow the weight of the rails．This is carrying the average up to in and 60 pounds，hut as yet the scrutiny alluded to has not lecome general．It is not surprising that with light rads there is talk of poor quality，of the rapidity with which re－ newals are called for．In their hasty rush for new territuny the first consideration appears to be to get along with as little weight as pussible． This false economy is likely to prove danger－ ous and costly w the long run，and the somer and more generally that fact is appreciated the better．To the steel industry of the country this means a heayy addition to the natural and steiuly demand fot renewals which comes from the enormous expansions of our railroad mile． age．－Iron A！$/{ }^{\prime}$ ．

## The International Railroad Congress．

 xevatum if the Internatmat Ralload Congreas is gow in pogegers at Milan．In wen of the entent and imperstance of thes lomly，it in well to perent sume of the pronte of their wheme
 ． 1 tiol it thes yershan



 ＂couture purpuser the（comgon is reprevented by an Internatomal Commaswom．the hemd
 members selve withont pas．The duthen of
 disecasstul，to prepare sthites of these ques－ tuons，to areare the pulbeation of the poreced mass of the Congerse and of papers and liscons－ stome will to whimster the tinamere of the（ion－ gites．This（ommassion is compunged of a
 and turenty two othe meminers，and themem－ Inels are chosen sof far as posmble from ditherent
 shall mone that mat members be of the－ume mathmality．
The wecathe commattee of thas Commisum is to hoid quartualy sesssoms and call ine calleal by the liasalent on varons members for evtra sessurns The Congress is that wery two sean Thene who have a ight to sit the the Congions ate membery of the liturnatiomal Commusson，delegates ilesignated by members of the Congress，and the sectetaries and treas－ wer of the organcaton．The genermments are emprocered to tis the number of delegates whom they wall send，but railroad compames van be representeit by dolegates only in pow $^{\text {no }}$ portion to the extent of the sy stems wheh they control．
At ewch seasion the Congress is to be ilivided anto sarious spectal sections to consiler the sulijects，for cample，of permanent ayy and norks，of whang stuck and material，of opera－ tion，of genetal culministration，ete．The chs－ cussuons will be hehid in French or in the lan－ fuage of the country where the Congreas sits， and ta e recotds will be kept in French．The expenses are to be paid by assessmente，and by suh spectal subsidies or other and as maty be receised．The assesomenas for sovermments wall be fived by the governments themselves． Kalroad companies will pay $1(0)$ france mini－ mum and an extra sum proportional to the ex． tent of theis systems．

The puorincial list of delegates to the second sesanm includes representatives from the gov－ ernments of the Argentine Republic，Austria． Hungary，Melgium，Bramh，Mulgaria，Den－ mark，France，（ireat Britann and Inds．b，Hol－ land，Italy，Mexico，Portugal，Rommania， Servia，Sweden，and Norumy，ami Turkey． Those nations which have state talroaly also send idelegates to represent them，and there are some 120 private corporations represented． The only representative from the linted States announced in this list is Mr T．N．Ely， of the Penneylrania．


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W. B. CampaEll., Publishers.
A. Campbei.L,

Onoon-6A Bay Etreest, Toronto.
TORONTO, OCTOBFR, 1887.

## RAILWAY COMMISBIONS.

In an interview with a Toronto Globe reporter Mr. Moberly, member of the Railwny Commission, is represented as saying, that the visit of hinself and Mr. Burpee as a delegation of the Comanssion to the United States, led to their baing impressed very favorably with the working of the Inter-State Commerce Law and the interpretation of it by the Commission of which Judge Cwoley of Michigan is the head. There can be wo doubt that the modernte course taken by the American Commission has almost entirely dissipated the fears which at one time existed of disastious results to follow the carrying into effect of the law, and it is hardly to be wondered at that Mr. Moberly was favorably impressed with the existing state of affuirs. The eatablishment of a comminsion on the other side of the line must modify to a considerable extent the opposition of many to a commission in Cauada, for the great fear was that it would be ruinous to Canadian railway interests to allow the iuposition of higher rates on through
tratice than were charged on the through lines of the Puited Neutiss 'There is no reanm why a cemmisasion of Camadians shonfle not show egual good smase in our affairs with that which has marked the course of the A marican Commissioner, and if this was done, the railway of ('anada moukd not sutior more tha'n the railways of the l'nited states hatre alroctly dome. Thus is mot newssarily an nrigument in favor of extahinishing $n$ come mivion in Canada, but there are two facts which ahway have been in favor of chat , iew and, in our opmion, in the chatuged state of utfairs sinere the proposal for a comminaion was lant before l'atlinment, should be regarded as more important than they were at that time.
The first of these is that a commission is a protection to railway companies agsinnst me another. The increased competition of the two great railways of Canada must necersarily lead to dispute and litigation as also are the entensions of both likely to lead to difficultirs with smaller companies. A bench of experts in railway law and practice devoting their time wholly to the consideration of the intricate problems arising out of the present condition of railway attiairs would be more likely to give detinite and satisfactory judgments upon these questions than any ordinary judges possibly could.

Again the tendency toward Government control, as we have previously pointed out, and as indicated elsewhere in this issue, is growing. Such control, we believe, would be an unnecessary addition to the Government's functions, and injurious to the public interest. llut many things injurious to the pullic interest are carried through legislative bodies as the result of public clamor against some real or fancied evil sinuply because nobody comes forward in time to propose the true remedy. It is, in our opinion, more than probable that if the growing public desire for fuller pul, lic control over public corporations such as railways is not met in some wry, the result will laf that public ownership and management of these institutions will be demanded with such vigor that legislators will be found some day weak enough to enact the law necessary for carrying out such $n$ change. The great oljects to be achieved in railways are enterprise and careful managr-ment togrther with consideration of the public interest. This can kest be achieved hy
leal ing the management in private hands "ith proper powerf of check in the hands of the representatives of the people, or in other words, a public commission to artierate on fixed limes iwtwien the pirtlie and the companies We notice that in a reunt interview Mr. Chananey M. W.j.w. President of the New York Cantral, while opposing government ownerhin of the roads, expresses himelf heartily ill favor of govermment checks a:d supervision. This we take as strong rיason for lutirving that the giving of full weight to legitimate public interest III the management of railways will result lineficially to the roads themselves rather than otherwise.

It is not improlable that the present Commission which is to "investigate and report" on this subject will advocate the arpointment of a permanent commission and, if this is done, there will be many who will advocate that side of the "ase who previously were indifferent or "ren hostile to the plan.

## THE RED RIVER VALLEY ROAD.

Gbeat as was the complication caused by the attempt to build the Red River Valley Kailway, it was as nothing to the confusion worse confounded which has arisen since the abandonment of the work for the present season. To present even a summary of the "fucts" brought out in the public press on "undeniable authority," by alleged interviews with public men, proceedings in public courts, and otherwise, would require far more space than we can give, even to so important a subject. To attempt to follow the charges, countercharges, and wonderful, legal, political and economic discussion, which have taken place within the inonth, would be a still more hopeless task.
There is no doubt, however, that the work has been suspended with every probability of not being resuused this season. The season given by the Manitoba Government for taking this position is inability to raise the funds necessary for carrying on the work. It is to be supposed that, before yielding to this liumiliating, not to say disgraceful necessity, the Government of Manitoba sought by every means to proceed with the work, so that when the facts are all out it will probably be found that some almost desperate make-shifts were resorted to. While on this question of
funds it may be instructive to notice the effect which this failure, on the part of Manitoba, may have upon the provincial credit, as well as upon the credit of the whole Dominion. Is it not a disgraceful thing that a province of freeborn British subjects, wanting a paltry few hundred thousand dollars, cannot raise that amount on its credit? It will be said of course that there was doubt of the strict legality of the bonds it was proposed to issue. But this could easily have been got over by an undertaking to issue securities which should comply with the letter of the law in every respect. If the Dominion of Canada wanted money, would the people be satisfied that failures should be recorded because of some technical defect of this kind 3 There may be reason, and there doubtless is reason, from the point of view of many good men deeply inter. ested in Manitoba's prosperity, to be glad that the money was not raised and that work on the road has been sus. pended. But there could not have been a more unsatisfactory ending of this dispute. If there is a principle at stake it should be fought out to the end and decided on reasonable grounds. If there is no principle at stake and it is simply a question whether an existing road shall have a competitor, the putting of a province to shame for such an end as has been reached is not a desirable thing.
The latest eflort to raise money has been by the issue of $\$ 300,000$ of bonds at par, to be taken up by the people of Wimnipeg.
The following resolution of the $\mathrm{Win}^{-}$ nipeg city council explains the situation on this point up to a recent day :

Moved by All. Riley, seconted by Ald. A. Macdonald, "that in the event of a satisfactory assurance being obtained from the local government that the sale of the $\$ 300,000$ treasury bonds, now under offer, will enable them and that they will at once complete the R. R. V. R., and one half of the issue being already subscribed for by the public, this council would recommend to the trustees of the city sinking fund the advisability of purchasing $\$ 1 \pi 0,000$ of the bonds, and approve of the finance committee taking such steps as may be necessary to pay the amount due from the city to that fund, and that his worship the mayor, the mover and seconder be appointed to confer with a committee of citizens and others interested in building the said rail. road and wait upon the government, with a view to obtaining the assurance above referred to.

It would be taken for granted by most people that it would he a simple matter to arrange with the government either for the taking or refusal of the bonds aceording as the "satisfactory assumance" reguired was given or otherwise. But, according to the Manitoba Frre lress (hostile to the govermment), this is what took place after an appointment had been made by the government to mect the committee, at a time when the "results of other negotiations then pending would be known":
Friday, accordingly, Messis. Ashdown and MeDonald again returned to confer with the Ministers, when they found that Hon. Dr. Harrison had broken his appointment, and had fled to the country, Hon. Dr. Wilson had also disappeared, Mr. Norquay had taken the train east, tho attorneygeneral was in the midst of hasty preparations to follow him, and Mr. La Riviere was not. present at his office. A conference was therefore impossible, and Messrs. Ashdown and Melomald were thoroughly burked in the attempt to negotiate the purchase of the bonds.
This is a thoroughly wild western way of doing business. What our fellow citizens out there are going to do about it has not yet come out. It looks, however, as if all efforts to arrange for a resumption of the work this season would be unavailing, for the premier, Mr. Norquay, is at Quebec attending the Inter-Provincial Conference and nothing can be done in his absence.
In the meantime there have been hints and rumors and "authoritative statements" that this, thit, and the other firm of contractors is ready to undertake the work in return for the bonds of the province. What truth there is i:: these allegations cannot be definitely ascertnined. What the other negotiations are, of which the Ministers spoke, is also a mystery.
Those who contend for a principle in this question can have no feeling but one of disgust that the matter has ended as it has. Every point of difference which xisted has been left as it was before, to the revived next season with all the accumulated bitterness of party and personal strife, senseless side issues and clap-trap appeals to sentiment and passion, while in the meantime public confidence is disturbed and a most unfor. tunate cause of disturbance left to add to the rancor of politics. There are certain plain questions to be asked and answered, all of which are fairly open to discussion and on none of which, in our
humble judgment, can any one, even the greatest lawyer or economist in the country, afford to dogmatise :

Has the Canadian Pacific Railway a legal right to monopoly in the NorthWest, including Manitoba according to the old boundary?

Is it in the interest of the country that the monopoly should be maintained by the Dominion Government?

Has the Dominion Goverıment a constitutional right to disallow charters of railways to the boundary in "old" Manitoba?

Hus the Province of Manitoln a constitutional right to charter railivays to the boundary to connect with lines from the South?

However it may suit certain interests to have a settlement of these questions postponed, it is in the interest of the country at large, and especially of the great railway interest, to have them set at rest by appeal to the proper tribumal, whether it be court, parliament or people.

Doubt, misunderstanding and agitation are injurious, not helpful to railway interests.

## THE GRAND TRUNK'S REPORT.

Tue report of the Grand Trunk Railwiay for the year ending 30th June last is in every respect one calculated to give the greatest pleasure to the friends of the Company and of Canada. Greatly increased gross receipts accompanied by great economy and comparatively little increase in the working expenses leave a net revenue halance of no less than £55:3,353. The net traffic receipts are more than 25 per cent better than those of 1885 , and almost ten per cent better than those of 1886 . The net receipts would have been much larger but for the heavy expenses of snow clearing caused by the severe weather of the first two montls of the year.
The results show the immense reservoirs of traffic and revenue upon which the Company can draw and give a good idea of the recuperative power of the enterprise. The prospect of a report for the current half year quite as satisfactory as this is exceedingly favorable, for there probably never was a time in the history of the road when the traffic has for so long a period been so heavy all over the system.

## DEPEW ON SPECULATION.

Tur newspapers have been vigorously discuraing questions arising out of an alleged interview with Mr. Chancey M. Depew, President of the New York Central. This is a part of what Mr. Dhepew is sad to have said and fairly summarises the whole:

The real estate craze, and the craze to build railways where there in mothing for them to haul, hare been the direct canse of more financlal disasters in this country than all clar put tugether. Howcrer, the coming trouble will inediscountel hefore it arrives, otherwise no cutcrprise could survive the nhock. Nearly atl the whler ant atronger busiuces estabiohi. monts of the country ure lecoming more and morc conservative, and becanse they are the combtry will have sale and subatantial rallying points, and hence the greatent damage will fall upon those who have investel their all wholly in proapective real estate eyuition and worthlew railway eecuritien, but the shuck will be felt more or leas sensibly in all businesa planta.

It says a great deal for the solidity of the present state of affairs that such a bearish declaration attributed even to so prominent a man and so high an suthority us Mr. Depew caused so little excitement. However, enough trouble wus caused in some yuarters to make some further announcement from Depew necessary, consejuently a second extition of the interview was put out in the form of a despatch from Mr . Depew himself to his private secretary as follows:
"Your moarage received. 1 anid nothing about a panic ur cyclone. I commented on the fact, known to everybonly, that the real eatate boom in the towne liaul been puabed ton far and there had been considerable railroad building, paralleling old lines which would be unprofitable. On the other hand the businest activity all over the Weat and North.West is phonomenal and healthy. A personal and careful inspection of each of the Vanderbilt lincesand 5000 miles of track showed the highest degree of efficiency and a condition to both lower operating expenses and work a very long time on little expenditure if it became neceseary. The financial condition of our line was never hetter, and their prospecta for aarninge and dividcads never more sure. Thia applies to the lines both east and west of Chicago."

This is decidedly unsatisfactory. In his second and authoritative utterance Mr. Depew siniply disclaims the title of alarmist, mantions one fact to cause uneasiness and others to give a contrary impression and there leaves the matter. Nobody said he was all ularmist and nobody disputes the facts he quotes. The question that the pullic are most anxious to be informed upon is what the
future is to be, and it has a right to expect Mr. Depew and others in like position pither to say nothing or to say the lest of what they think and sny it in a char way.

In the meantime it would be safe for the pulilic to "go slow" rad not to take any unnecessary chances, sreing that the men supposed to be on lookuut ary not giving clear warning as to what is aliead of the grod ship of trade. Npeculation has undoulitedly leren overdoue in the West and other places and when the boom fattens out, as it must some day, the man will get along inest who is nearcast to shelter.

## Editorial Notes.

Tus text of the important rjeech of Nir Henry Tyler at the last mecting of the Grand Trunk conmes to hand too late: to le dealt with at length in the present issue. There are some points in it, however, which will call for attention next month.

Tife directors of the St. Catharines A Niagara Central leeliove that if they call secure running powers over the Burlington Canal liridge they will have overcome the only serious obstacle on the road to Toronto. If this line were completed it would go far toward securing the rapid transit hetween Buffalo and Toronto which is so much to be desired.

All the contractors on the Grand Trunk double tracking work are making good progress and it is expectod that all the rections will he finished within the specified time. The work has been carried on under special difficulties owing to the heavy tratic on the line while double-tracking has been going on. The casurlties during the pmgress of the work have heen exceedingly few, considering the hazard involved in carelessness of tnany of the workmen themselves and the constantly passing trains.

Ar the meeting of the Association of North American Kailroad Superintendents, held in New York on 10 th inst., attention was called to the fact that officers on some roads performing the duties of superintendents have other titles, and a proposal was made that
steps should twe taken to loring about uniformity in this respect. But it was dreided without much discussion that it would le too great a task to undertake. Desirable as uniformity in this respect, may be, the association uninulitedly took the right view of the siturtion.

The Benuharnois Junction line, which is the Grand Trunk extension westward from Montrenl south of the St. Jawrence River, will le opened to the town of lheauharnois, one of the principal contres of the district, alout the 15th of Novemin'r, nud is expected to lee compheted to Villeyfield by the end of the prosent scason. This line will serve an exceedingly rich and prosporous diatrict, and will tre an imprortant ferdor to the main lite.

The Grand Trunk line to Fort Covinyton \& eMassenn Springs, N. Y., to connect there with the llome, Watertown \& (Bgdensburg, will furnish a new through connection for a very considerable part of Northern New York, the railway facilities of which at present are not by any merns what they might be expected for $s \infty$ wealthy and progressive a community. The road is nearly ready for traffic and the trains will be running over $i^{+}$ly the end of next month.

Tus car stove question is still agitating the prople of the United States and the approach of another winter without any definite and concerted steps baving been taken for improvement has set the editors and the humorists to work again upon the subject. There are a dozen other causes leading to far more lons of life than the car stove, which should rather engage public attention, on the principle of "the greatest good to the greatest numler." Still it is much lietter to remedy even the minor ills than to leave all unremedied, and it is to be hoped, therefore, that the efforts now being put forth to bring into general use some safe syatem of heating will meet with early and complete success. The Railroad Gaxtte publishes a summary of facts, so far gleaned, from which it appears that many line have adopted, or are experimenting with aystems believed to be better than the present, which is practically no system at all. The Martin system seems to be the one most in favor.

Ir has not taken long for the first utep to be made toward the verification of the prediction we made two montha ago regarding the coming of an agita－ tion for handing the railways over to the control of the Government．Al－ ready the New York Ileruld，which， after all，said and done，is the most widely influantial newspaper in the United States，han declared in favor of such a course．The（irorge party，in whone revolutionary platform this is ouly a minor plank，ary making progresu which must undoubtedly carry conster－ nation among the politicians．Their campaign is only a year old and the very lowest calculations that their op－ ponents muke of their strength is 80,000 votes in the state－morethant he prohi－ bitionists are likely to get after twenty years political work．The（leorgre men talk with confidence of carrying Brook－ lyn and probably New York City，with a fuir chance of carrying the whole state and a certainty of boing at lenst sec－ ond in the race．Split the difference be－ tween their own entimates and those of their opponents，and allow them one hun－ dred thousand votes out of the half million that will be crst in the state．Is it not reasonable to lelieve that many of these voter will be not in favor of the land tax theory but in fuvor of government control of railways？And isn＇t it reasonable，moreover，that there are many in each of the old parties who be－ linve in government control of railways， but who do not vote with George？ What more natural than that the party which fails this time should offer government control of railways as $n$ means of catching public favor！The struggle is coming and it is coming very soon．

## The Grand Trank．

A uixpatch from London announces the in． suance of the half．yearly report of the lifirec． tore of the Grand Trunk Railway of Canaila：
The groes receipta for the half year onded Jane 30th are $£ 1,002,853$ ，compared with $\mathbf{~} 1,557,040$ for the corresponding half of the previone year．The working expencen are $\mathbf{£ 1 , 1 8 5 , 9 5 5 , \text { compared with } £ 1 , 0 9 7 , 7 1 4 \text { ．The }}$ not roceipte are $£ 508,808$ ，comparel with $£ 459$ ． 328．Adding the amount received from the International Brilige Company（ $£ 14,487$ ），in． toreat on Chicago a Giraod Trunk bonils （ $£ 14,448$ ），intereston Wellington，Groy \＆Pruce
 intereot socount，the net revenue receiptor reach £653，353，compared with $\{494,633$ ．From the total revenue recoipte $\mathbf{8 4 1 5 , 5 7 6}$ hat to be de－
ducted，leaving the net balance to the half． year＇s working $\mathrm{E} 13 \mathrm{~B}, \mathrm{i}=\mathrm{F}$ ．Thia amount，aulided to the balance of $\mathbf{t 8 1 1}$ from the last half year． makes the total ill3s．iss，wich provides for the payment of the full half year＇s divilellit on the 4 per cent guarantemi stick，amounting to El04．3a5 ame a dividend on the firme preference stock at one pround per cent for the half ycar， amometing to $\mathrm{E}: \mathrm{s}_{2}, 149$ ，leaving a balance of t＇2，043 to be carried forwari．A comparism of the June half of the yearn 1887 and 1883 shows that whilat the grons receipts were lens by $\mathbf{t} 1+1,3: 5$ ，the working expensen were re－ duced hy $t$ lat，etiti，the net tratic receipts of the lust half year being thun within $t 5,07: 2$ of the net trattic receipte of the Iune half of $18 \times 3$ ， the mont favomble June half year aince the fuaion of the liriond Truak and itreat Weatern Companics．
There was an increase of 201，84；pamen－ gers carried compared with the June half of 1886，the incremed receipts leing $4 ; 70,520$ ． Nince 1883 the average fare per passenger has heell reduced from Sis．4．1．wi ta．opd．Freight and live stack trithic slows an increase lur． ing the past lualf compared with the Juue half of the previcus year，of $332,122 \mathrm{i}$ tona．The re－ ceipte were $\mathbf{i 8 5 , r a 2 4}$ ．Iseing the largeat in any June half in the history of the company，ex． tending to both local and through truttic．The working expenses of the pant half were in－ crensel by $\mathbf{f 8 x}, 241$ as compared with the last corremponding half year，while the groes re． ceipte wore increased by til3i，812．The uum－ ber of puseengers and the tona of fruight of live stock are greater thun in 1830 or in any pre－ vious half．The removal of anow in January and February cint 115,037 ．The hital ant of now clearing for the half year wr； $\mathbf{t} 21,989$ ． being 57,800 more than any preceding half dur． ing the pant four years．The increase of en－ gine miles run was $\mathbf{7 6 2 , 3 4 7}$ ，while in spite of the bed westher the working expensea in． creased only 8.0 .5 per cent．The chargen to capital account during the half year were £44，627．The principal itemis were $£ 17,455$ for new works，including $£ 11,198$ on account of the new station in Moutreal，and $\pm 27,205$ for new rolling atock．The debit lualance re－ maining on renewal accounts is $£ 22,604$ ，ugninat $\mathbf{E 3 0 , 3 2 8}$ in the June half，and $£ 21,618$ in the lecember half of 1888 ．The accounts of the controller lines are only finally wiljunted at the end of each year．The eatimatel revenue re－ sulte of the past half year，compared with the correrponding period of the previous year，are： Chicago and Grand Trunk，groas receipta， £338，148，agninat $£ 290,273$ ；working ex peasen， $\mathfrak{£ 2 5 1 , 9 8 3}$ ，againat $£ 237,373$ ，lenving a belance of 188,160 ，Egainst $£ 52,900$ ；debit belance， $\mathbf{\$ 2 , 9 1 5}$ ，compured with $£ 36,853$ for the half of the June previous year，and $\mathbf{x} 40,459$ for June， 1885．The Detruit，Grand Haven \＆Mil－ waukee，grose earnings，$£ 114,940$ ，againat
 $\mathbf{~} 87,576$ ，leaving a helance of $£ 23,900$ ，againat $\mathbf{E 2 7 , 3 4 9}$ ：debit halance， $\mathbf{4 9 , 3 4 4 , \text { compared with }}$ £5，897 in the June half of laat year，and £12， 055 for the June half of 1885．The suboidiary lines have showu better reatits during the pant half than during the previoun June half year， the improvement being continuous．The an－ nual amnant of intereat peyable on these nub．
aidiary linen in as follown：Michipan Air Jine，
 treal and Champlain Junction．in．aino ；lirumd Trunk，lieorgisn lky \＆Lakv Fitu．Lī，iflo： tutal，$i 145,201$ ．Of the authirizel lmond capi tal．the Michigan Air lime lamils amoment to tes， 300 not ixaved to the pullice，hut helli hy the Giranil Trunk Compuny ar mecurity for a．l Salues un anthorizel bond capital The tirand

 conuphay to provide for future crtensions or impurements，and these lanols will wot lee ac quired under the powers of thia ：ut until the procecis are required for nuch purizimen．The Imond capital of the Wellingtom，direy and Bruce Rulway is net includell in the seliedule th the met，poner to nequire the lend capital of that line liy the isaue if delienture atack las ing lwen previously obtained．The lomile

The intereat on the two controlled lines in
 G rand Trumk，tilo，tifd：Detroit，dianel Hasen \＆Milwakee，tion，No．The Grand Trunk Iunction Company bring leaneel to the Chicago $k$（irmad Trunk，the annaul intereat on the land capital of the formur line in included in the statement of authon ized lomd enpital．The Grand Trunk Junctien lise honds amounting to $\mathfrak{i} 2: \%, 000$ ，representing an munal charge of Ell，i00，have not heen isaued，but are helit to mett necessary extemmiona in Chicago．Agninat the charge for 1856 for interest on the lond and obligations of the Chicago \＆Cirand Trunk Kuilway， $\mathbf{f 6 , 6 8 4}$ is credited as hatving leen re． ceived tuainly for the reutaln of property un State ptreet，Clicicago，and $i 4$, ， 4 is credited for intereat on melvances，on account of Lake Michigan stemmers，againat the INetroit，（irasal Trunk \＆Milwaukee Railway．The charge at the average rate of intereat on the cecurition echeduled in the sct is $15 \%$ is．per cent，and the intereat on the perpetual 4 per cent consolidated delenture atock at the present marked price repremente only $i 4 i$ is．It is anticipated that， by the operation of this act，a large reduction in the preferential intercat charge of the GirandTrunk ayateun will be eventually wecured， and the position of the 4 per cent ilebenture atock also materially improved．The Graud Trunk lailway Act will he mubmitted to the proprietore at the meeting on Octoler 13.
Since June 30 last，the doubling of thirty odd niles of main line betwecn Montreal and Toronto bas been commenced，und it is hoped the work may be completed，and the duuble line be available for traffic during a portion of the current half year．When this has been done there will be nearly forty．five nilea of double line between Montreal and Toronto．
In concluaion the Directora say the half year has been unfavorable in respect of the severe winter，unusually prolonged，and the increan． ing competition of the Canadiau l＇ucific Rail． way from the connections thut railway hee ex． tended through the provinces of Ontario and Quebec．Haring regard to these dike ivantagea， the Directors cannot but consider that so far the improvementes shown on the lirand Trunk ayatem have been satiafectory，and the reaulta of the work of the half year arc encuuraging in ahowing the atrength and capacity of the
nystem as now established to retuin a fair hinare of the husinens of the country, and to make progress even in the fure of further competition which inust undoubteilly be expected.

## The Canadian Pacific in Maine.

Thr. Buston Mradil has hail the enterprise us send a correspomentento "write up" the conatruction of the Cunailan lucific Kuilway through Muine. The cotrespondent, writing from (;ranville, weuds a graphic and interesting Ieacription of the work, of wheh the fol lowing is a comlensation. Lack of apace only prevents the presentation of the article in full :
The Mrrall witter has been making recon maissances at the principal pointa where the line is leing constructel. The road entera the state at its weatern boundary, where a year ago operations were begun in township 2, range $S$, in the northern part of Franklin County. From that point, following the route as it has been surveyed acrons the State to its eastern ter minus at Mattawamkeag, in Pench. seot County, ou the line of the Eurupean nal North American branch of the Muiue Central, with which road it will form a close connec tool, the distance is 128 mulem. Mr. H. I). Lumaden, of Montreal, has gencral manage ment of the work of construction in Maine, with hemdquarters at Sherbrooke, in Canaila. He succeeded Mr. James koss last summer. who remigned to take a contract to build $\mathbf{0} 0$ miles of the line letween Sherbrooke and Farnham. This is the only untinished link in the ruad between Mosntreal and the Maine boundary, Mr. A. L. Hogg, of Montreal, is the chief engneer in charge of the work of construction in Maine, uhorse dilty in the see that the contrachors perform their work ac. cinding to the survey. The work is davided int", four diviaions, each in charge of an enginect. Thegn ngineers constitute Mr. Hugg's wtall. Mr. Jamea A. Pattimon has charge of the Moose Kiver divisum, with headinarters at Minese River. This diviston is alout 30 males in length. He has thrce remident engis. ecis under hill. Mr. S. B. Mikice ham charge of the (ircenville duvision, which is about 36 miles in length, with healyuarters at (ireen. ville. He has reaident enginecre under hims. Mr. Matthew Neilson has charge of the krownwille Division, which is sonce 31 miles in length, with licalquarters at Browinille. He has three resident cugineers under hin. Mr. Alexmmiler Middleton ham charge of the Matta. wankeag, or last division, which ie alout 31 milem in length, with healyuarters at Matta wamkeag. He has three, resident engineers under hin. The resideat engineers employed are all young men, who are graduates of the (anmalian rolleges of eloginecring at Tomnto, Kingaton and Montreal. Most of them held similar positions during the conatraction of the Canadian Pacific throughjthe Hocky Mountains.

The work of constmetion is let nut in ten contracte, and the time of their expiration ranges from this fall till next kpring. These contractorn belong in Canaila, like the enginoera, and they have hard large experience in building railmads. One of them has nate

820,000 in the bumineas. The contracts are divided as followis -- Contracta 1 and 2 , covering 24 mules and extending from the western end of the lise to Holels stream, ia let to Luke Madigan, whose beadyuartera are at Moose River. Contract No. 3, from Long l'ond to the Kenneka Kiver, a stretch of 15 miles, ia let to Starrs, Ayknith \& Co., whose healyuarters are at Cireenville. Contiacts Nos. 4 ani $\overline{5}$, from the Kenneka Kiver to 12 miles beyomi (ireenville, covering some 42 miles, is let to Wim. Mckenze, with hearlquaiters at (iseen ville. Contracts Nos. 8 and 7 , covering alxout :30 mies in distunce, are let to 1). 1). Mann, with headquarters at lireenville. Contracts Nos. 8 aad !, or some 23 miles, are let to Angus Sinclair, with hemiquarters at Lincoin. The last contract, No. 10, for a piece of road ten miles long and extending to Mattawamkeag, is iet to James A fiurdon \& Son, with headquarters at Mattuwamkeag. Some of these con tracts have been sublet in order to facilitate the progreas of the work of construction.
The road, after it crosaes the western bound ary of the State, traversea the water shed be tween the Chauliere River and Moone Rivar, the head waters of the Kennebec. It follows the Moose River until it reaches Holeb Pond. the ahores of $w$ hich it akirts, as it alao does those of Atteau and Wool Ponds. Thence it runs along the Moose River to Long lond, and from there along the rapids between Long Pond and Little Brasona l'ond. All thease ponds are connected with the Moose Kiver At Little Brassa it leavea the Moose liver, and runs acrosa Minery Stream and through Minery Notch, wheh is a natural passage in a range of mountains. The gorge is harely wide enough in some places for the iron horse to pass through.

The walla on either side rise to a perpendicular height of between :300 and 400 feet. It was very fortumate for this portion of the route that this natural pasway was here. Had it not been it would have necemsitated ans entirely different lecation of the line. Abont two miles from the gorge the road crosses the weat out lake of Mooseicail Lake, some four miles from that inlund sea. Nearly four miles further on it cromses the eastern outlet of the lake, or the Kenneliec Kiver proper, just lelow the dann, at aloout one-fourth of a mile foom the lake. This is the dividing line between siomerset and liscataquis C'ounties. This dann was built tel hold hack a rescrue of water for logg-driving purponcs. From that point to lireenville, the rund follows the shores of the lake, ar cloce in -veral place that the embankment requirea protection by riprapping, which is usw being donc. Quite a number of places along the ahore of Monsehomi require groat engineering skili to overconce the difficultien met with in locating the line around rocky pointa and nerome deep bay, to avoid too deep cuttinge or heavy fllinge in the lake. Sereral rock cuttinge alngg the lake ahore are 50 feet in depth, with corremponding high emhenkmente. At lireen ville (iVeat Cove), the Cansedian Pacific will connect with the Bangor and liacatequiz railmad. lireenville in the terminal point of the Hangor and liscataquis on the north, while ite other terminus is Oldtown, 89 miles diatant, where it ronnects with the Maine Cantral and
runs its cars over that rocell to langor. The Canalian l'acific crosees the lamgor and lixcatanuis at (irennville, of an overheal trestle and iron spans, some 20 or 25 feet in heigut above that rowi. A transfer station for looth ruais will be built on the shore of the lake and convenient to the steamboat wharf. Its loce tion way decided to day by the railroal com. missioners, with the approval of the ofticers of Iwth roads. Thence the Cansidian Pacific runs in a south easte. Iy direction to Wilson's Stream, passing about half a mile month of lirenville village. Crasaing Wilson's stream on an it on viadluct, some 120 feet in height from the val ley below, and 1,300 feet in length, it folluw: the windings of that atream for scveral miles, or until it reachen Boar Stone Mnuntain, where it runs along the sonthern shore of Nhip Fond, cronsing its outlet on another iron via. duct 100 feet in height and 1,000 feet in length. Ioth of these viulucta will be built during the coming winter. Thence the road traverses along the two Benson Ponds, and thence takea a dive easterly course through the townahipe of Kowenbank, Rarnard and Williamshurg, fullowing the valley of the Kouring Brook through the latter tounship. It then flits acroms the little Hangor a Katahdin Iron Norks railroud, which runs from Mila, on the have of the Bangor and Yiscatmpuis railroand to the Kataholin iron worke, a piece of road 19 mics long, and then it crosses the Pleagant River, about three milea north of Brownville village. From there it runs accuss Browuville unuship to Schoodic Lake, following the south-wentern and woutherly shores of that shect of water in twwaship four, range eight. untul it renches the line between Piscatayuis and l'enobecot Counties, when it tnkesa north. casterly directuon, crossing the Matamincontis and Madunkeunk Streans, and thence it runs throngh Chenter township. crossing the Penob. siot River at Mattawamkeng, itn terminus.
The building of the romil I tind is being hindered by the rock formations which are treing ellcountered. No slate is encomitered after crossaing the western houmiary of the sitate, lmita granite rock instead, as far as Little Brasma, which is anexpansiou of Mowee River, and whose valley is lined with terraces of silteenun slate. Thence tos Misery Notch the formation is Oriskany maniatnue, containiug char. w.teristic fomila, while further onwari, at ledge loint, a group of Lower Helderlurg is encountered. Along the ahere of Monechead, within a mile of (ireenville, is a lowt of sycu itc that cromes the lake cant and weat at Ledge Island. On both sides of this licelt are mica archista. From (ireenville to alnout four milen weat of Ship Pond are slate mocks. Then in struck a belt of granite rock about three milea long. Fromi Ship lond easterly is found a large granite formation that furniahea as ex cellent atone for culverta, for which it is being used. The face of the country beynand, and indeed as far an Mattawamkeag, is not at rusged or broken as that already mentioned. The hearimet and mont expensive work 1 find is between lireenville and Ship Pond, where there ame a number of hoavy aurth and rock cute. Two of the latter are mearly 20,000 and 24,000 yards apart reapectively, and there ane many exceeding 10,000 yards each. The char.
witur of the earth generally is hard，with latge quantities of looulders．In the sandetme linlt what appeas to be rock in situ ate immense lmoulders，many of then weighing humdreda of tons each．One of therse boulders that has lneen temoved was an harge an an ondimary dwelling house．
All along the line an army of laborets ate employed in hastening the pouress of the woik．The pich und shavel bergale mamiker some 4,000 men．Of liese nonse 1, ．00）are Italians，while the retuainder of the fotee is made up of Cumalians，Nornegians，Hung：a－ ians，swerles，and，in fact．almont evely kind of nationality and mixed race．Gne thousand ho ses or so are employel，and some it or lis steam drills are usen．The laburers recelve \＄1．20 per day for their work，and they are paid regularly every month．As a general thing they are a rough net，and it is fortunate that some of them are sol far away from civil ization．Jluring the past summer they have lived in canvas tents and rude inoril shanties， but now that coll weather is appoaching thes are proviling themselves with more confort－ able and better quarters．A large numiter of thein are building log houses，covered either with loughs or roofa of turf．Lafe in their camps is not ualike that of the lumbermen， who are now coming into the woods for their winter＇s work，and their＂grub＂is about the same，with the exception of the Italian coul－ tingent，who huddle in their own dirty huta， and subsist on their favorite hlack loread and macaroni，with soups made of putrid meat and pungent onions．I am told that it does not cont these swarthy und brigandlike lonking fellowa over 沈 a month for what they eat． The food of hundreds of other of the immense gang of laborers is equal to that of a tirst－class country inn．The men indulge in various kinds of rough amusementa，ami at night the blaze of the crackling camp fires can be seenut 2 yreat distance．One of the principul evils that exists mong the men is that of drunken－ neas．No sooner do they get their monthis wages，than hundreis of them have a regular jamborce．Phottle perdilers are numerons in their eanip alout the tine their pucketh are jingling $w$ th their earninge．Withan the past two weck．$r$ since the men were last paid off， theac hottle pedillers have infested their campe and supplied them wath all the liguor they wanted．The contractors are powerleas th rid the campn of their presence，and they are mak－ ing many litter complaints on account of the non－enforcement of the liquor law．because． when the men pet drunk，it delay：the pro－ grens of the work．
The sanitary condition of the men is care． fully looked sut for，and prompt melical treatment is given in casea of nicknem．There is a fully arranged medical staff alnong the whole line，of which Dr．I．A．Sweat，a Maine man，formerly of Rnownville，is director．The servicen of the phyaiciann are paid for hy the men，who are obliged to contribute io conte ench monthly for such a porpose．There han been very little sickncen since the men began work lant May．Only throe men have been killed while at work．
The wort in being puached with energy，and one year from this fall，it is confidently ex．
pected，the roal will lue completed and ready for the publue tratlic．
The enture rowd，it is manifest，in lecing con－ structed III a xulishatial mamner．All bridger， thestles wid cattle guarils will be ：overed with sris tien， 14 feet in lel口gth，with $A$ inch sp．we． The tuolarge viaducts will late only 4 inch spates．The guatil aily of the read will lxe： Sa！， $1: 2$ fect climit，the．．．lmit of the passage of the largest nnou plongha，and a mabstantial
 remankable precantom，on the enture tomil there will not lee is single openng by whicha deraled thack an lae dropped．This is the ntambard that is being culopted by the Canadian l＇meits：

## The Canadian Pacific and Toronto．

Bironk：the Ralluay Committee of the lrivy （Conncil on the sith iust．，to lengthy diseussion tosk place on the cinpute lotween the Cuna dian Pacitio and lirand Trank railwaya with， reference to the new entrance into Toronte ly the former by way of the Esplanade formed liy the lon improvements．
Mr．VanHorne ntated the came for the Can－ alaan I＇suatic－Railway，prolucinga map show． ing the proposed new route und pointing omt its alvantages．He desired permiseion to cross the dirand Trunk track at Parliament street，his company having secured a right of way twenty cight fect wide south of the Kiupla nade from 广ouge strect to Berkley strout，then crosaing the（iratud Trank ralluay track at l＇arlament strect and passing north of Mill street tha $a$ comertiond with the thon iniprose menta．
Mr．Bell，wilicitur for the dirand Trinke，ama Mr．＂Iragge，engineer，opposed the applica－ tion in the grounin that there nere other wnys for the Canadian liactic Kailway thenet to the Inon without croannge the Cirami Trunk tracks． The（irunt Trunk was quite willing that the Canadian Pacific Rallway should crome down the Ikin embankments．strike the（irand Trunk dousle trach und use it into the city．but the propomed cromsing world danage the tratic of the liand Tiunk and interfere with the working of the road for all time to coms．If the proposalal were pernisted in it uould loail the great htisatuon．an ture（irand Tiunk Reailway were intermined the resist th propoanal ly every means in their puwer．
Mr itanhorne said the Canmlian loacific Railway were willing to aprnil any amount of money in offering serater facilitien to Toronth． He wan surpriacil th hear what Mr．Wrapue han maid，considering it was Mr．Wragge who suggestel this very crousing．The croming onuld be protected hy the illterlockell switch ayatem．
Mayor Ifowlanil said the（inuncil hail paseel a remolution and had drawin up a petition ap． proving of wihat was proposed to be dase hy the Canmlian l＇acitic Kaiway．In the firat place they had made artangements to come down on their Ima improvementa，which the city had male，and the tipplanade．Having partially agreed that the（Panalian l＇acific Kai！ way should use the bisplarade，it would be a rery serivus disal vantage if it wore ont carriod
ont There was nop pupulation in the siocinty of the Fixplatialle，and there would be no dan ser．
Mr：Biackstox－k，win Inelaulf of iertian ow ners of propures．asserted that it the $\mathrm{C}^{\prime}$ ．I＇．K．nere ahowent to cross at the spet they desired it Homblel injure the property in that locality． Thes nese mot acere to the C．P．R．Inaking all entis ot ancther point．
Afher some furthet hacousmin the matter was tahen en delifere by the committere．
May＂Hou land and the＇loronto I Pepration made some enquises at the louble Worhn lae purtment with reference to the phorsed waten suon of the Wimimill hae inte the hathor，hut owing th the illuess of the Mmstry and the non－setan foom Butish Columana of Chief Enginee Plerely，the matter could not he dis． －． 148 se ］

## Short Cuts to Europe．

Mts．Jixt．Hasviv has ish article umber alonce caption in the current insuc of the Ejorh In tilis the u riter shows to Nen York readerv how greatly they can shorten the onean voyage to Liverpoll liy keeping the land route us far as Halifax in winter，amil to（Chatham in summer，when the railway hridge at Frederic－ tum ts completed．The tables are convincing： Nrn York to Hulifay，all rall
Halifas to Licergual
miles 943 halifas to litierganel

． 3.131
Inffremer
N．．n Park to Chatham
（hathiath to 1arerjow

### 3.118

It will lee seen，an M．Hannay points out． that gonng via Halifin the cceant voyage of a New Sorik paomenger to，Europe would le shortened liy（ixe miles，or 3 fi hours very fant steaming．and there nould in an metual gain of 12 hours in time if special through trains connected Hahfax and Niw York．
The summer ronte from New York vin Chuthan and the liulf would give practically． the same mileage beturen New fork anil Siverpmen！，with the difference that ia milen would to on land，and inW imles more on the land liak keil waters of the diult，with lean dan． Ler of m．vere athrms．

Mr．Haninay a article alan nhowa the mivan． tage of the Ciumblian roile the pasengere from Chinagos and dimenoser the adrantages of White．Haven and shippugkan an proints of de． parture or arrival on than xide of the Atiantic． l．omelon Firor I＇row．
 xpmollent of the liniomy Nirrion Vin：oler，when han licen a procicual witchmaker for many years，anys that never before have watch re－ pairers lrect so troubled with fine timuepiecea ＂getting off all at once．＂Thia is dae to the watchen being lwought into sucl，conutant cons－ tact with eloctric currenta Railmad watchea are the monst unrelimble．Nr．Niller explaina that the iron brake shoe generatea a curreat of electricity that is carriod direct to the waich of the lrakenuan at he promerp him watch in hia veat pocket tight againat the brake．wheel．

## The Inter-State Law.

It hecomes interesting the wote the decoled
 w the Inter state $($ immenen or l.all for sombe tume after the lan went into operationt, it was

 duilug prominent railrond matugets, what were rearly to ixhlowe that the ellect of the lan upm the e.unumg cap.uity of the tallowadn





 all the mathords if the commts Thite hits


 have Inclideved that thay ware sublethig on ace. camat of the misconveptom of the the meanmig of Colugress, atil comphatuts howr lewn mate ur ther commixsion on this ater onat : but
 where decistons hate alfeals lxectl iombered.
Judpe (ionley, whoss ahility as a ralleand man is recognized mory uhole, is quaten an sisy hing that at the furepret titue it is seay prohadde some o hatigen on the l.th will le: re connmented tu conkrexs, altherigh the tille hase but get arived for the absumatment an th what thase recommendations a ill lne. Ihe in milimed to thonk, haw orer, that they will in foxn manerome or vital than many persums suppunes. Guthe whole, lie regicula the latu an carcfully dran it and an captesallig what ita framors intended lecture than in shoum lig monany statutes now on the lanohn. In some parts of the lan there is grommel for doubt us the the guestion of tur: and its application We corpurations ether thath ailrosale engaged in transjorthation. such an the express evonmanien, hayy nut le as clear as it might have bein franuel, hut the chatges which are really neceesary, it is In-lieved. (iongress will shom little if any hesitation in grantitg. No one Believer that the law will lue repraled, a point alonit which there was a kerni itral of discus. sion wnoll after it went iater forec, and very little in hearil now ill resard the the glucataon of its comatitutiamality. Manifeatly the lan haxionme to stay. sulyret to such monditications an may le foulinf neversaty or desiralidr, ant it in eypually manifent that it is $x$ decided hifesing to that large and gronihg clank of the communits intercsted in ralmad socuritics..Storlherieler.

## St. Catharinea Electric Bailway.

 says:--The st. Catharines atrret railway openell six miles as rout ineturen this city and Thorolelierratly. It is run lyy eloctricity and provid a prefret ancrean in every particu lar, far excroling the repretatintse of the managers. The nyatrm anloptent is knowill as the Tand irpmorle. The eifectricity, which is getweratert by water promer at lack 12. Welland Comal, with a 1,160 horwe prower djnemos, is
comincted by overheash copper wiren comnectmir with the curs by means of amall wheels wheli run along ou the wiree aud thence throngh a thexble conductor. The cars are eduiperd with a lit horse puwer moter weighIme aluont 1.600 pomals, which is placed on the foont platfon. The people are conthuai antec ores its guccers. The company expect to, have twelve wotar cary on within two weeks. The time of tatavelling lnetween this city and Thundil has been reduced tuenty manites. The cias are umber perfect control, hombingoppeil and starthel without any jurk. lix numbors, gionge aromil carvers of forty de-
 least ditheralty.

## Shipping Manitoba Grain.

Tint: Wimipeg fior Prosx suys: Nuperillundent Whyte returned recently from loort Aithur, whithar he hawl gone th lowk into the pouspects for hamalling the grain crop. He "in afraid that the grain womhld be brought in ens tapidly that the elevators would be filled up oud the compray reduced th the necosaity of using their cars as stornge warehouses. Ita fean lie mann diacmored tu lee unfounded, lice orjo. .. Al thin chietls from two causes: Cn the onc hand, the farmers have been problutly attentive th their fall poughing und huve not rushed all their crope trabl the idilway at once. In addition to this the reports of the great harverat attracteyl a great numiker of tramp cesela to lort Arthur, from "hich point they have comtracterl th take over (000. 100 hushels. This is an inmense relide to the railuay, as the apace of the company's steamera and of the lienttie line was chartered aheal. Inateal, therefore, of finding the clevaturs full, or nearly full, Mr. Whyte was fiatition to learn that the lort Arthur ele. vator is empty and that there are only 120,000 bushels in the onc at Fort William. When the ruali comies after the close of lake navigntion the prompecte are that there will be luta of romen in the clevators for the surplus lirunght in liy the farniers over the innowdiate can lying capacity of the railway.
Mr. Whyte regarils it as a sery fortunate thing for Aanitaina that the crop in (Interio is wo very light this year. A large part of the westia crops will be lwought ly the millers of ohtario, which means a very much larger pro. fit than if the wheat were tor be exported. lintween the growing competition from india and the long haul to the Alaute the minapect of a gowel price for wheat raised here ia not rery encouraying. But hreween the local de. mand from the Ggilvien and that of the Olitario millern, nomet of thia yoar's linarveat will lee diaprowed of at a goond figure.

Tint: slectric lighted exain which in to te placed on the Cinnuia Atlantic Hailway has Irron thunoughly tented and found un work tery offecticely, and the train is now part of ther mgular metric. It in maid the partor cars are ahead of anything of the kind on the madh, as far an lixury and conveniencet are coas. or rned. The laghta are wo arrasged that read. ang is moade enay and plenmat.

## Issuing Instructions.

(ifiphal. Mayigek Brildihzix, of the Chougo \& Atluntic, had only recently issued to las men a long circular reluearsing many of the dungers to bre giasded against, aml giving unmerons ewhurtutions tos care and faithfulness. The Konte collation in a sad cobmentury on this order, and forces the yuestion whether it would not have leeen better to make sure that even a few of the rules already essued were well knounaml umbersterkl, than the thas saguely put forth a multitule of hetorngeneous precepts devind of any plan or arnangement; and this ma way that might almokt at well hase sabil " wer kuou that you have not conscientionsly stadied and tried the carry out the instructions given you, and we know of no way to renerly the mater but th ismue this peneral appeal whel can le dis. regordect with the munnc impunity that has followed your disregard of previans orders.'

In dunning a delitor whom we are afraid of, and who muat lxe handlent with tendernexs, we send "uppeals," " remiulars." ani nuch hate : we crary the idea, faleely or otherwise. that he may pay or not, as lie deeme womt agrecahbe : but in proceceding against a peraon from whon we are determined to comipel pay ment we tuke a different conrse. Amlaiguous plirunce and those that give merely sound or snowthness ate laid aside; directnean is entplayed in elerything said, and is romprillol in the anvorve. The same principle applien in getting information ms in gettus, money. The superintendent who wante ponitive kinowledge that his men understand cortain rulea nud are intelligently trying to olxy then muat ank plain qucstions, require positive alaswers to thell, and purave the procesen until he teata nut only their willugness but their intelli. scuce. - Eischartr.

## Suing Gould and Sago.

Two gentlemen who, by their nanses, appear to be Hollanders, as boldera of Kansas l'acific consolidated mortyage bonila, have begun a suit in the New lork supreme court ayuiust Mesarn. fiould and Sage, which promaimes to hefull of intercat should it crer be carried through to a trial. The icleudante are sued as trusters of the Kanaan Pmitic conmolidated mintegage, and the complaint is hased upon the fanomus withutrawal from the Trust of the :0.000 share of Irenser l'actic auck and ita allegerl use for their uwn bencfit. Fur this reames it in asked that they ba removed as trusteces rnd forcenl to account for the stock or its proceeds and that a receiver tive appointed for the trust funde during the litigation.
This action is of course ope of the first outcormes of the work of the crongreasional incen. ugating committee, the tentimony given be. fore that hody having revived the memorica of the great Union-Kiansas Pacific dcal, while making clear a great ileal ahout the transac tione of that time which wan cilecure. It of crusse remaine to be acen whether the litiga. List: thus starterl will be promitter to $\mathrm{E}^{\circ}$ oa, but it is pretty ortaja that if suits of oase kind or apother growing out of these old
 （iould he mast feel wery much like t．thing in active hand on the bull mile of the stach bur ket．We need only puint wit to wir hall friende what evellent policy it would bu on Mr．liould＇s part to do sos：The fact is．horn
 4．wal muthers hats omly legenn，and Whe（iotid will have his hands tons full to thank of lenive ing up stacks mon mather how much cothan people would like him th do so．Fillowind Daily Hecord．

## New Palace Cars for the Grand Trunk．

A matent iqume of the Monitral（iazelte containe the fullawing：There are junt now beliug thivised at the ditand Trank aloms， Puint St．Charles，for the l＇ultmati Conn pany，two new aleepery，lonilt exprend for nervice letween Montreal amd Turonto， which for thoroughiness of woskinatimitio and elegane of timish hate prohahly fuever
 Stales．Theste carswere bull from worhing drawings and sperilleations furniahoul he the pullman Company，and are of the fol－ lowing dimensions null st gle：Jellig＇tl of
 general plan in 10 wectums，Mrawng rown， smoking－rom and bufret，kiving $a$ ciaparity of 25 lerthe．The keneral wumbinurk if the car is of mahogang，very highly pulivhed． and in plase of inlaid work the ellitioe ann－ mentation is in elaborately carved desikns． The ornamentation throughout is of the Louis X V．st yle．The ceiling is minnethong new in roof ornamentation．lasithe a kold bonder about aix inchey in width，asnd in the centre a beautiful dexign in panels of sold with raised ornaments on a groundicork of very lighe lilue．The upholstery in the lexis of the car in of peacock bue wlanse plush， the seats having highs mekn，furnidhing a comfortable head－rest for each massenker． The carpet is a heavy Wilton，of culors and patterns to sorreapoind with the keneral finish of the car．

The drawing．room is upholaticred in old gold pluath，and a npecial feature ix att cle－ gant mantel and mirror of Louix XV ：itce surmounted by a drapeiy inmsioreguin of old pold silk plash．The drawing room is pro． vided with separate wanhutand and toilet facilitics，supplemented with a full learth pier glass of finent French giate with inevel led erlyes．
There am iwo ladies＇drewwink rooms with alt the toilet acressurien The xmoting room and gents＇and are fllivilied in Filuplixh oak，elaloratels carved and hiztily polialion． The gelles＇wirnhmeands are sit uated opmomite each other and cromiway of the enr．thus furnishing more room．A fincly carved cunt rack，with brame front guand surmounting a plate glana mirror bet weell the ino stands． givea ？fine finiah to thin end of the car， which in enhanced loy a full length pier kiagn at the side．

The mmoking．room in finished in Einglish oak，with pancls of rinlooswed leather clabor． atels ornamented in rold．The rent re panel in thin room merita ngerial mention．Ixeing orammented with a horiter of inlsacero traves and plant in pold，surminusting a imphy of cronied pipen，pouch and full monoker in oulfit．

The cary are tifed with hampe of encereal pattent to con reypond with the general orma marllation，heanly plated with siluer．
 welloing ta the c．ls are to be likhted

 sistom of wornise latterien unilar ameh car． ＂hich will ine flumenhed wah 24 incander． cent hatita，diatmhaterl at fullong Bemly of








 lower window ．the men masmemathon and




 Citr，＂with lla matae of the cotr underne：ath． The huthet 1－at wor the piecer of carvilus कnathented with ghlled wroll work and wate mirrors．The siloed ware was mable to order from D＇ullanan pattellis chal tlee crox－k．
 cars．

Ther cars arr he：aleal los the Haker watem of hot water pijper，athl edoctric bella from ＂very vectun athl rowm кive realy moans of calling the combluctur or berter ta any part of the car whent their arraiees mas lax incriled．
The cary atre ：nomated onf＂pallman 5＂

 and will be on exhibtion at honaventure vations for a day or two belure in－ing put ithto nerviec，due nutice of whell will le given．

## Railway Building by Night．

The：Ihilway Ige editarially wase：In the early daje of ralways the idnat of ruming traing at hight was not thought of，hut at the prement tiane the sreater part of the freight traftic and perhapos of the pascenger trattic in handled in the hours of darkneras． A simblar change secms to have leecll legan in the work of railway huilding．The feavi－ liolity of carrying on gradiags and even erark． laving at night wav lianlly nugacneded until revelily．hast now it in nut ulirommoll．The rush of combention betweeng great lines to rearh given boints athl the neersaity same times immosed of huildins at cort：in diatance before a Bxest iale in under tor serure lieal aid have ueceasitated the employ ment of the nisht hoours in numerous rilaen：and it ix found that men and teama work fully an efticiently loy wight as by day．A cont ractor who han theen doing a large atminut of arad． ing on our of the western roady iellis un chat be findat that the wen arrompliah more tse． iween 7 p ． m ．and i a m ．In thoveliugs ihan int the name houra of daylight，Ineause their attention in rot diatracted by other thingen at night．and in the nummer the air in conler than in the daytine．Ol courne it enken the mell some time in bemme acruatomed wo the unnafura inversion of the hour of nork and aleep，and some of them are inclined to
＂avte the dagleght hourn in drinktug and thus are unttied for ulsht toil；but therse worthlens follows are gradaally mifted ont and the force engaged in the niglte work －ron accomplivhery fully as much as thowe ＂low work coly hy daylight．

Where machaters is emphoned，ay in the citr of heam nhenely．cte．there is wident． Is gruat cconomn in runnink nis！tt and day as the phant then is not standing idlle lati the the The comparatine aficienlos of temin driven mathoneryover foman mathen is nughent that thas is isecomblog recognized as an impartant comaleration．Thas at is
 dat ，and night will dey the wurh of alnomt one bendred ment，athl ay weram shoreta do noi set drunk or ntrike，and ar theor waternin the not call for reat at night they evadently pers．
 chinery．The empilas mant of the night hourn has wiale pasablike amme of the eatraurhin－ ails rapid ratluas comatruction which has －haramerosed the lant gear or two．When a company hax ciceiderl to lowild a hare mad han the moniey or the credht to do it with，every das lost lefore the rosal is pat itt uperatioss means a lows of interest，and if the time of luibling can le shortened one half hy minht ＂ork，thus puttiak thososant？or milliont of doblary nt work in half the thate ordharily alloted to the comatruction，the aguragat． wiving then eflen ted may be wory liarge．

## The St．Catharines \＆Niagara Central．

Tas：St．Calbarincu \＆Niagara Camial Huanl has bects conupleted from the Nimgara lliver to Thorold，ami a 1 raill ham aitremi） Ween run from the Anerican side over the Cantilever bridge fuver which the company has rumaing puwern）to Thurold，thereby －aving the bonus from this town．The rught of way into St．（＇atharines han treen mecured and it is expected that the roand to that punht will lecompieted lhis year．The directors expect a favorable outcome of the negothations for running powers over the llamilton and North．western bridge over the llurlington Canal，tha．leisgs the only poilli of merio：chattirules bee lieen St．Calh－ armes and Turontu．

## A Pangany Reilway．

Ture liepulhic of I＇arasuany is not agitated verer railruad pooln．Its winglo line is 43 miles lonk，extendus fom the capital， Axuncion，noutheant to P＇araguay．This ruad，with a mauge of 41 ． 3 1．5in．，whd steep． est yroule 1 in 75 ，was legun lig the state in 186t．The work was woon interrupted by war and not resumed till 1870 ．The atate manaped the road till $\mathbf{2 8 7 7}$ ，then gave it over to a private company，but hought it aggain in 1885．All the engineers，material．and equip． ment were brought over from Eingland． The equipment in 1886 couninted of seven locomotives，six parneuger and fifty freight cars．The grons earningn hare boen－in 1878．$\$ 28,920$ ：in 1881， 63.000 ；in 1885， 103 ， 027 ；in 1885 net earninks were 928,000 ，and 118.943 pascengern were carried．The road in valued at $\$ 1,223,910$ An extension to Villa lica is cousemplatiod．－Liailroed Gas． elte．

## The Railway Service.

Tharfe on the Kimgaton a Promboke a mail to be heavion than even lufore.

A Yon: the recently issued patents in the United states is one th Mr. F:. H. Cheno, of Brentun. N. s., on an mporement in station miluaturs

Tint C.P R. libary commitue, Kat Portige, hase alded secenty the more lroukn to their libraty last week, had have ordetel two humdred More from Montreal.

Trusurs me not troubled by tranps no much this fall as formerly. It is trae that the constitutional tramp is stall on the roumds, but there is now much more work far aearly all clabses of labor. The "bonacer" of the train cren may have a little leisure this winter.

At the mecting of the firuit (ironers' Asso. cation recently held at (iximsiy, President Allen state:l that he wat going to try the experment of shippung apples to luik cia the C.P.IR. The future prissibilities of this business he snid uerea demunstrated snccess. He hoped to see fruits shapped in cold blasts, and their keeping qualaties, and with this process appley nould carry to India as well as to Liver. prol.

Tne: amual necting of the ('nnadian Ticket Agenta' Association wats held un Tinonto, on Naturday, listh ust. The secretary a report showed that the Aswociation was in a Hourishing comilition. The following ofticers were elected:-l'resulent, II. J. Hunt, St. (utharmes; Finst Vice President, W. K. Callak:ay, 'Jurmato; Second Vice-lresideat. I'. J. Slatter, Turmito: Third Vice Presilent, W. J. Grunt, Hamilton : Sce retary Treasurer, E. He la Hooke, Lomilon: Amditor, W. Jackson, Clintun : Execntwe Committer, H. J. Sharp. St. Marys: T. E. Lethg, l'ut Hope; Marlow ( umilerlitul, Toronto; C, F. Morgan, Hamnlton, and W. R. Clmic, Ihomanville. The next annual mectung will alse, lee held in this city.
 freight olepurtment othwinls ate making their prepmiations for the shipuent of elyort cattle froin the Colgary district. Within the lant few days atcungs of cars bace leeen weut nest, and wey shoutly the first shipment, prolunhly aloneut lifty corlinads, wall the castuand lound. C. IO. R. people say that the prospectes this scasman are very gonal, anlll lowef as reported in gome condition. Lanchers are shipping piincipally on themr ow nacconnt, therely saving the conmissiou which would otheruise fall into the hands of agents. From seven to nine days will le reywired, including all stups, for the transportution of stock from Calgary to Montreal. This is consintered gooxl tille by ahippers and railway men.

Tus Victoria, B. C., Nitmilanl says: We learn that the Cenadian Pacitic Kailway Company and the Canalian Pacitic Navigation Company are negotiating for a new line of stenners from Vansouver to northern const poiats, eapecially with a view to meet the re-
quircments of the constantly increasing streant of tomists coming from the East. It is propered top put on tirst-class atcanners that wall make the romal trip in a few days. The ob dertive puint of the new line hus not been determined, lut it is vely proluble it will be mume purt ill Aluska. Taken in connertion with the repont published the other day that the ('anatian Hacitic Railuay has parchased stemmers for a line to San liego, it indicates the determimation of that corperation to draw trale to its lane from the entire coast.

Nomp: time ago there were published in this founal a number of instances of long contin. ued service by different locomotives without repaits Later experiments in this direction are reported. A Pennsyhaniurailromel engine last yeal ran during one nonth 16,368 miles in regular daily train service. Subseguently an engine of the Wilmington \& Kaltinore uccomplished 17,112 miles in a month, covering the distance between Phulalelphia and Wishlt. inktim, 138 miles, four times every 24 hours. This is a remarkable record inded, and it justifies the position taken several years ago by some managers, and at that time diacussed in these cohman, that there is economy in keeping locomotives continually going with changes ot crews, instead of allowing the engines to lie idle from twelve to sixteen bours out of twents four because a single train cren cannot be kept in ounstant service.
Tus papers are giving well deserved praise th I. Fincest Simith, expreas messenger on the Northern l'acitic Railroad, between kil Pasa and san Antonio, Texas, for his plucky and successful resistance of an attempt to rol) his car. The deapatch asye:--The messenger was J. Erneat simith, and with hin was J. J. Meardaley, clerk in Wella Fargo office, at fort Winth. When they heard the firing they put ont the lights and went to the rear end of the (ar. At the command of the rolibers they came out, smith leasing his revolver just inaide the door. The robbers ordered Smith and thenrissley to hold up their hamis, and then searched then. Smith was then ordered to go back into the car and light the limp.. He climbed lanck, and the furemost rubber started to follow. Simith meized his pistoi, pliced it almont against the robler's breust and fired, sending a bullet through his heart. The roblere fell liack deal, but fired twice at smuth while falling. simith and the "ther rohineralsu - © celinaged shots. The rubleer then attempted to get his conaraie's ixxly on the engire, intending to uncouple it from the train and run on. While he was trying $h_{2}$ lift the innly upon the engine the nessenger got his doulise barreled shotgun, leaned out of the car and ahot at him. The rohber ank down, then sprang up and ran out of sight. The deal bonly of the man was found next day a few yards from the scene of the attempterl rolilery. Mescenger $\delta_{\text {mith }}$ is from $\mathrm{St}^{2}$. Louis, liviug now at $\sin$ Antunio. He has been em. pluyed by Wells, Fargo \& Co. for four years. The citizens of Fil lawo presented him with a pnit of clothea and have raised over $\$ 100$ for a merial. J. W. Nichola, Superintendent for Wells, Fargo \& Co, for Texas and Louisiana, telegrapherl Smith congratulating him on his
whtory, and saying if his example nere fol luwed tran robleng would lee a thing of the pust.

## Miscellaneous.

Owna: to the inumense fienght tratlic on the Michigan Central, unprecedented in the hastory of the roml. Titill-master F. P. Mc. Donalil has fommit necessary to promote tifteren bakemen to the position of comductors.

The Lomion Temer editorially approses the sulasidy of the trans. Pacific route and erpress. es regret that the tiovermment did not arang. for a fortnightly service, and adds. "What ne now want to complete the route for strut. egic purposes is a cable across the Pacific, "ith both ends under our oun control, and a brameh to Anstralia." The eveming papers likewise praise the (iosermentis artion.
The prople of Trentum are elated over the prospective starting of smelting works in that town. l'eter M.Laten, who is a stowkholder in the Central Intario Kalway, will give a Innus to the enterprise to the amount of $\$-00,000$, providug the town gives $\$ 0,000$ for the same purpose. A resolution of the Cinuncil was passed, unamimously accepting the proposal, sulject, of course. to the approwal of the atepay ers.

Tur: Railnay Nerm of Lomdon, Fingland, spouking of the (aund Trunk latest repurt, anys:-I'rugress, and that of the most gratifying nature, is stamped on cecry page and every t.ille of figures in the reports and awcounts num presented to the proprictors. To many of the realers of thas docoment it will le dithcult to concentrate attention upon any one point, in order th gauge with aceursey the full measure of the progress which the company hits male during the past two or three years. There is nothung in the history of colonial undertakings which can compare with, and but little in the records of home railways u hich can approach, the marvellonn increase in the receipes of the cmmpung for the past half year, as compured with, for instillec, those for the sunc half of 185 i .

Sirfanas: of filiennis latest invontion the F\% rivial Hurld suys. The resulte thus far .ibtaineal lead the the conclusion that the cronony of proluction of electric energy from fuel by the pyromagnetic dyname will bre at least cyual to and prohably greater than that of any of the methods in present use. Kut the actual output of the dynamo will be leas than that of an ordinary dynamo of the aame weight. To furnish thirty sixteen-candle lighte in a dwelling house would probmbly require a pyromagnelic generatur weighing two or three tona. Nince, however, the new dynamo will not interfere with using the exceas of energy of the coal for warming the house itself, and situce there is no nttendance required to keep it running, there would seem th be already a large field of usefulness for it Moreover, by using the regenerative principle in eonnection with it, great improvement may

Le made in its (aphaty, and its practical far intu the wood and the treytle was still safe utility may wely prohothly equal the motuest. ing acientatic primiples "hach it embundro.

## An Elegant Car.

 his hanimime wife ane to thatel amoul the conatry durng the aext nomth is dienge hi. l'ullasasis pisate ods. It is mon leong litted
 alsopatly returmened it has every pmasulde
 cowh steve. It also has a hiatory, for it has cariond nealy evety great man, matue or forergn, who has made an extembel tome of the county in a noven years. Cien Grant came east from sian Fiancisco in it, amd be used it with his fanily en several other journies. It carrted the late Pessident Arthur when he made his memotable trip to Flonida, and the Duke of Sutherlated joumeged in it across the contiment. Mr. Pulluan is rather prond of the car on account of these associdtions, and he has no present thought of parting with it. "The newspapers are rlways building new cars for me at falulons prices. and furnished with all the splendions of an oriental palace," suid Mr. Pullman recently, "but 1 an going to stick by the ohl love. I suppose the reporters will be mad, lut I can't help it."-N. r. sun. $^{\text {. }}$

[^0]for the passage of tranins. A careful examination of the burned timises was moule, which gase mamistakiable widence of an attempt at than wreching. The tire wian starte:d on the unlar sade of the cross ties insuch o manne: that there can lne no pomeithe trelief that ap.aths were the collse of it. Then, tow, the fire was celtanly set to mone than one tid at a time. for st csuld mit have jumped from one th another withont burning the sidey of the tim. ber more than it dol. Amothe acomat satys that the the wias discovered by a pilot cusime.

## A Use for the Cyclone.

Tur ('m and Locomotar Bualdor saby. Parties in Montieal clam to hate harnesoend the eyclone to useful mechanical operations, and there is said to be milhoms in it. As the cyclone has beenaccustomed for ages to waste itself upon the desert air teuring down shanties and uprooting harmless trees, it seems right and proper that ita power in that direction should now be utilicel in making it do pulverizing operations under perfect control. How the cyclone for a is going to be developed in the first instance is not stated, but an associated press despatch assures all comeerned that a capitalist of New York has purchased from the Montreal partien control of the invention, which illustiatea an entirely new principle in mechanica growing out of the applacation of the natural principle developed in a cyclone. The reaulta are said to show that iron slag can be reduced to an im. palpable powier, and that other refractory subatances, such as nails, can be ground finer than flour without the ail of tooth, atainp or roller. We repose the most child-like confidence in the motive power of the cyclone, for we once naw one at work; but when the new reporter begins to tell us about the new prin. ciple in mechunica, all the blandishments of the invention vaniah. That accomplished peranaler, Mr. Keeley. Lately of Philadelphia, was stroug in new mechadical principles, and it was New York capitaliste who helped the
developmont of his indnutiy. Wh the whole. we tlank Nen Tonk capitalints cought to he
 piaçive mentum

## Aunther Trans-continental Line.

Tirs: project of another tansomatimental



 the oline from the 1 tie berns, aten miles Wext of Los Angelen. constual to salt Iathe. While the entelpine is "istemasiby: that of a fer promment "itacello of Lam Angeles theme is some reason for the Indief that the Misoouri Dactic Company is the teal moring porecr, as by the construction of this riad amd an arrangement with the Inenve1 \& Rio Cirande it would have prawtically a line from Sit. Lonis to the lacitic conast. The Missonti Pacitic and the Atchisun, Topeckia sianta Fe are now engaged in a sialp competition in K.unsts, Coloralo, and Tevas, and it would not ise strange if Mr. ©iould shouhl have determined to carry the fight into, (allifornia still the completion of such an undertaking, if it has been actually reanleed upon, will require mula tims, and speculation as to the result of the construction of atill :unother trans continental railway is premature.- Kailmay Alge.

Tils: first part of the administrative report on the railuays in Indin for 18886.7 has pust been issued by the luclian dovermment. Accompanying the report is a letter from the Director-(ieneral of Railuuys, stating that the net specipts for the year 1 B\$6 show an macrease,
 and the percentage on the capital expet. led on open lines gives a seturn equivalent to i. 90 per cent., against 5.54 of the previous year. There had been a genemal increase in the net receipts and percentage camed on most of the lines in India, hut more eapecially on the great Indins Yeninsula and Rajputana Melwalkailnays.

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lhans anil pritiluy will be open for inspection at tho office of the chitef Engineer of Governluent Oxford and New (ilaskow liallway at Wullacer. ('uniberland io. Nova sicotia, on and after the 10th day of Nosember. 18*7, where the gencral apecilicatinn and form of tender thas bo obuinera apun application.
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separtnent docs not bind itself to aceept the loweyt or any tinder.

> A. P. HRADLEF.

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Charcoal Iron and Steel BOILER TUBES Dusseldorfer Tube Work make.
Iron and Steel Beans, Angles. Tees ancl Chamels, Iron and Steel Bohler Plates, Bridge Plates, Hoper's German Plosphor Bronze Bearing Metal,

# BUCKIEOEN STEEI F'ENCING 

PRICES QUOTED FO.B. ANTWERP OR DELIIERED.


[^0]:    Almost a Disaster.
    The press dispat hes have the following:The presidential party had a narrow cscare on their way to Memphi, Tend., last week. When the train arrived at a trestle betwoen Bomserville and Joneshoro, Ark., the treatle was seen to le ou fire. As soon as possible the train wiss stoppen, though not before the engine had passed over the burning portion. The enginecr found that a section ubout ten feet square was in flames ami that the fire had been started on the under side of the timbers. The fire was soon put out, when it wat discovered that the flames had not eaten dangerounly

[^1]:    WRITE EOE PRICES AND CATATOGUES.

