was not whether it was prudent or imprudent， He must decide upon the issue raised by the words of the Act of Parliament．Mr．Serjeant Sargood pointed out that the Court was to consider whether it was＂just and equitable＂to wind up the coan－ pany，or to let it，continue its business，and so prove injurious to the public．The Vice－Chancel－ lor said he had nothing to do with the gquetal public，except thie shareholders and general creds itors of the company．He had nothing to do with people who might hereafter become shareholders or creditors．
The petition was then read，which set forth， among other matters，that the amount assured by existing policies exceedel $£ 8,000,000$ ；that other companies had been amalgamated，large sums be－ ing paid on the transfer，with compensation to directors and other officfals ；that in this way about $£ 20 \mathrm{G}, 000$ had been spent，and was entirely sunk and gone，although in the balance－sheets of the company that sum was put down as an avail－ able asset for the payment of debts．Although the premium income of 1868，was less than $£ 380$ ， 000 ，so great was the strain upon the resources of the company by claims for debts，heavy charges for management，\＆c．，that instead of investing a large reserve fund，they had peen compelled to make a call of 5 s．per share．

After some further remarks by Serjeant Sargood， Mr．J．Napier Higgins proeeeded to read the affidavits of actuaries．Mr．A．H．Bailey，act－ uary to the London Assurance，made affidavit that， uary to the London Assurance，into account the business and liabilities of the company，it shonld have a reserve fund of $£ 1,304,000$ in actual possession，invested at 4 per cent．The only available funds were about $44 i 5$ ，－
958 ，and in a few years he was of opinion that the 958 ，and in a few years he was of opinion that the
funds of the company would be entirely exhausted． Mr．Robert Tucker，actuary to the Pelican and National Reversionary focieties，estimated the ne－ cessary reserve at $£ 1,444,000$ ．This actuary dwelt upon the fact that Mr．Walker had made his state－ ment regarding the incoming premiums without deducting the＂loading，＂the 25 per cent．for the expenses of management，and this was converting all the new policy premiums into an asset against the actual ligbilities standing under the old poli－ cies．Mr．W．Pollard Patteson，actuary to the commercial Union Assurance Company，estimated the assets and reguisite fund at nearly the same amounts．Mr．Kekewich read the affidarits of other actuaries，to a similar effect．
Mr．Miller then read the affidavit of Mr．Lake， general manager of the company，which alleged that the company was perfectly solvent and able to cover all its liabilities，that the statements of
the petition were untrue，and that hew assets would become available in course of time．
Mr．J．Napier Higgins then proceeded to read the evidence given by Mr．Lake in his examina－ tion．He（Mr．Lake）wàs receiving a salary of $£ 500$ per annum，and one per cent．on the pre－ mium income．The income derived by him from the company in the years 1866，1867，and 1868 would amount to $£ 3,000$ or $£ 4,000$ per year．Mr． Cleland received $£ 13,000$ or $£ 11,000$ compensation on the amalgamation of the British Nation with the European．He did not know how mugh was
paid to Mr．Sheridan，M．P．，Jut thought it was about $£ 10,000$ ．
After some interruption，Mr．Higgins proceeded with the evidence of Mr．Lake with respect to the company＇s account at the bank having been Lake admitted the fact，but in this，as in other cases，when asked to show the books，he declined to do so．Mr．Higgins went on with the eridence of Mr ，Lake，who further admitted that the di－ rectors had made him a present of a life policy． 2 paid up for $£ 5,000$ ，for foregoing a pencentage of admitted that the claitnants on the society had been annually，for the last four years，$£ 100,000$ ，
$£ 20,000$ of which were set down as＂old claims．＂ Then Mr．Lake believed the banker＇s account was
had had a loan of $£ 10,000$ from the bankers ；but he could not remember when the money was paid off．In July three was a fresh loan，and the com－ pany paid off these loans as it hail the money
Mr．Higgius then redd the evidence of Mr． Walker，the fetuary of the company；which was to the effect that he did not know the annnal ex－ penditure of the company，but he had been told by the accountant that it amguntel to 15 or 20 per cent．per annumi，or $\mathcal{2 7 0}, 090$ ．It was a very arge expenditure．In the balance－sheet for 1568， the liabilities on annuities were not raentionel． He could give no information as to the amount of existing endowments，although he had sworn to the aceuracy of the balance－sheet．
After hearing some further evidence，and the respective counsel，the Vice－Chanceller summed up the case and dismissed the petitions with costs．

## 解iniag．

## GEOLOGICAK INVESTIGATIONS

The following extracts from the last repoft of Sir Willidm Logan of the progress of the Geolo－ gieal Survey，will be found of interesi ：
During the last season and part of the previous one，the lahors of Mr．J．Richardson have been ©evoted to a summary examinetion of the country on the south side of the St．Lawrence，between the rivers Chaudiere and du Loup，and spreating in breadth from the margin of the St．Pawrence to the boundary between the Province of Quebec
and the United States，the object being in contin－ uance of his work above the Chaudiere，to trace out the distribution of the Quebec group，one member of which，the Lanzop，is so valunble for its coonomic minerals．He has ascertained that in the middle of the area，and extending its whole length，there is a synclinal belt of the Sillery formation，varying in breadtl from tro to twelve miles，affeeted by sevetal subordinate undulations， and presenting a ridge of broken country much covered by forest，and little fitted for the purposes of agriculture．From beneath this on the south－ east side；there emerges the Laazon formation， which accompanies the Sillery ia its whole length， and which displays a breadth pre mile in some places and six in others，while，it is feris for the biack shales andest breadth of this，at each end of the surface it underlies，is about seven miles，and from each end it narrows tofraris the intermediate part，for about twenty－fire miles of which it lecomes covered up ly the succpading bound the Quebec group in the whole distance， with only a narrow strip of the Sillary and Law－ zon，between the upper rock．and the Levin in the more western part．
On the north－western side the Sillery is follow－ ell by the Lauzon only，in circumscribed and iso－ lated porfions，without any Levis formation，the Sillery being in contact for the chief part of the distance with what is now supposed to be a lower and unconformable series of rocks．Like the rocks of the Quebec group，this lower scries con－ sista of red shales，black shales，limestones，saud－ and limestone pebbles．It tras formerly classed and limestone peebing to Quebec group，and it is only on the evidence of fossils that it can be placed on a lower horizon．
Although rocks of the Quebeo group thas con－ tinue in a north－eastern course down the valley of the St．Lawrence，they appear gradually to lose tie magnessan deposits and accompanying metalifer－ ous minerals，which to the south－west give them
so much valne．While the strike of thvoroup is so much valne．While the strike of thtgroup is indications in succession did out seems to tend more to the enstward，in which direction it finally runs obliquely under，the ri申 of the Upper Silu－ rian series，and leaves the Laqzoa barren of metal－ liferous ores in its prolongation beyond．

耳or the last tliree seasons the attention of Mr． H．G．Vennor lias been bestowed upon the inves－ tifation of varipas rocks，whici are spread out in the couinties of Addinglon，Hastings and Peter－ brovegh，in the proviace of Ontario，and which hove beea more than once mentioned in previous repprts．Their lithological charaeters and econ－ opile contents were given in some detail in the report of Mr．Thomas MeFarlane for 1856．Iron， 1هif．copper and antimony were then knowato be the metals by the ores of which they are char－ afterized，to which have sifice been added gold， sifter and bismuth．After much restarch in trac－ ips put the distriloutioa of these recks，Mr．Yen－ upt has been able to determine the geological sthecture of the district and the stratigraphical intious of the froh and gold．
The scrics conaistis in desceniling order of the Wowing general divisions：

Calc－chists，dolomites，micn slates and sili－ ceous slates，the latter two characterized－by extensive lenticular masses of conglomerate， with pebbles of quartzite，gneiss and green stone，at the base of which there appears to be an eurifroas band．
Horablendic，pyrosenic and chloritic slates， characterized a the bottom by passing ocea－ sionally into beds of magnetie iron ore of cotmmercial importance，and succeeded in sone places by grey and red granitic gneiss and hornbjendic schist，interstratified with batuds of erystalline limestone．
sjeatic rocks，varying in culor from flesh－ which the rocks appear to rest throughont the district
Chis－scries liss in a general synclinal form be－ Eon the counties of Addiagton and Peterborough， ith a breadth of about thirty－five miles，which os heen tracel to the north－egstward from the itloa wherx－il emerges from beneath the over－ Gfing Lower Silariaa rocks on the soath－west，to Fithin balf a mile of the Yoric 9xauch of the Madawaska river；a distauce of about farty－five on iles．Many subordinate undalations，striking fo the north－east，and alfected by tranarerse geo－ lotiral depressions and elevations，cause the dis－ forbation to assume a＇very complicated figure， fresenting a number of basins in the upper divis－ 207，miore or loss united with onepanother，the infricate outline of which can ouly be made intel－ if wible by being represented on a map．
The iroa or beds of Belmont，Sfarmora and If doc，which liave oftea been sequarately describ－ dd，are found to be on the same horizon with one quother，at the base of the urpor divisfon，while the localities in which gold has＇been discovered d1pear to place un auritcrous zone at a short dis－ taice above the iron belt，the separation between e tro being seljlora more than the brealth of If a lot，of betroen three and four seres．
The calc－schists are in one or two places marked the presenge of Eosobat Cancidase and anor－ fhosite rocks lave been found rising above the apper division in isolated maises；but from the fificulty of finding any marks of stratification in fhem，it can searcely be deciled whether or not Whey are conflrmable，and before the question Fhether the Hastings seriss belongs to the Upper
rer Laurentian esa be satisfactorily deter－
1，forther investigation will be required． prorisionally the series is classed arith the Lowter turentias．

The in actictations of $\mathrm{Mr}, \mathrm{C}$ ．Robb emilurace a egion which is situated，in the central and north－ Fisterin part of New Bruasinick，comprising Eiefy the comaties of York，Carleton and Vic． toria．In this he has traced the north－mestern oree of the great carboniferons area of the pro－ ince for about siventy－five miles，as well as the poundaries of three exteusive outliers of the car－： paiferots series，one situated is the parishes of Prinve Williath，Dumfries and Qaeensbury，in Tork county；another，which had not been no－ ded by any previous：observer，in Brighton and

