officers. Both these measures, it was explained,
were based on English legisir tion. As respects ere based on Engish legisirtion. AB respecte the latter, there is the question whether our
railway difficulties are such as to call for the
establishment of railway difmenties are such as to call for the
establishment of such a court. of oourse it
would entail considerable expense, and for my own part I must say 1 doabt if there is need for
it. But it may be taker for granted it will not pasp without dae consideration, and there can be oo harm in ventilating the subject.
Mr. Plumb moved for statements respecting
the Kaministiquia harbour, having for object the list of vessels, with their draft, which had passed the bar. This was a motion which, as
your readers will perceive, brought one of the battle horses of the late election campaign upon the stage; and Mr. Mackenzie, at whom it was
mainly a aimed, met it by stating that Mr. Plumb busied himself with retailing exploded false was made on the recommendation of Mr. FlemWas made on the recommendation or ir. Hem-
ing, Chief Enineer. Mr. S. J. Dawson, the
member, of all in the House, specially well in. formed in all matters pertaining to that district,
met this allegation of Mr. Mackenzie with a flat met this allegation of Mr. Mackenzie with a flat letter, had disclaimed the responsibility of solecting this terminus, and that no engineer
but Mr. Kingsford had ever reported in its avoar, and he only after it had been seelected
by the late Government. Mr. Plumb read some extracts from the evidence of Mr. Fleming exfore the Senate Commenttee, which stated that
bhe site had been selected by the Government, the site had been selected by the Government,
and he had merely pointed out the best portion of the plot acquired to be used for a railway ter-
minus. Mr. Diwson further stated that the minus. Mr. Diwnon further stated that the
selection of the Kaministiguia for the terminus was utterly bad, in respect of its. being too shal over. I merely give you these points of the disestablished by the papers. The large expenditure for the town site and all the scandal which
arose out of it, whether well or ill founded, were serious enough, but were nothing as compared to the vast national importance of haviug the
absolutely best place for the Lake Superior terminus of the Pacific Railway.
On wedneday night, Mr. Fleming moved the landing of immigrants at Halifax having the landing of immigrants at Haliax having
less than twenty dollars. It was scarcely neces-
sary to move for this, seeing the terms of the sary to move for this, seeing the terms of the
Order are published in the Canada Gazette; but the object clearly was to obtain an opportunity for debate, and to attack the Government. The the explanation of the Minister of Agriculture
was not only not met, but there was no attempt to meet it, and the debate drifted off into an aimless discussion on the effects of the
National Policy. Mr. Pope said there had been complaints, especially in Western Ontario and by the Toronto Alobe, to the effect that large numbers of paupers, who had to be maintained,
were being introduced into the conntry were being introduced into the country. It was
true that in the case of considerable numbers of these people, who landed in the country at the
port of Halifax, the Government had, during port of halifax, the Government had, during amount of money for their transportation. It of persons in totally destitute circumstances should be landed at Halifax in the winter time. It was therefore that the Government had made use of such means as the law allowed it to
stop the introduction of such persons. ; but the stop the introduction of such persons ; but the
provision applied only to the single port of Halifrox, and was not at all intended to check any desirable immigration, but, on the contrary, to

Mr. Bolduc moved the second reading of a bill in amendment to the Election Law to increase the sum deposited by each candidate from
$\$ 50$ to $\$ 300$, the amount to be returned to the the votes polled by the electors. He explained the votes polled by the electors. He explained
that the ohject of this was to prevent mere men of atraw setting up for candidates for election dodges, and to ensure the good faith of all candidates contesting elections. Sir John Masdonald favoured the principle of this bill, but would maike the deposit $\$ 200$. Mr. Langevin also
favoured it, as working well in the Province of favoured it, as working well in the Province of
Quebec. The motion was lost by two votes on Quebec. The motion was lost by two votes on
division, the sense of the Ontario members diviaion, the sense of the Ontario members
being apparently decidedly opposed to the Sir John Macdonald has moved that the Committee on Printing should be isstructed to appoint a special into some means to prevent abuses in the letting of printing contracts, with the view to rrevent such scandals as those with which the country has lately rang. The Committer are to be instructed also hoped they may succeed in devising some measure to check them, otherwise the contract system will be run to the ground, and some other
syatem will have to be adopted. This action was such as was expected from the hands of the Government, whioh cannot be held responsible for the abuses that have taken place nader the management of the Printing Committee.
Mr. Keeler moved the reading of a
Mr. Keeler moved the reading of a Bill to
repeal the Supreme Court, which gave rise to a somewhat important debate respecting it. Sir John Macdonald stated that the proposition before the House was too retrograde to be accepted by it, but he admitted it was unfortunate pablie confidence which ought to be reposed in it.

That was a hard hit from the leader of the He contended that the appeals, which were not very numerous, were not expensive ; and that such a Court was necessary for the working of
our Federal system. To this Mr. McCarthy replied that only three cases involving constitutional questions had come before it during the ive years of its existence, and even these had
been carried to the Privy Council for final settlement. The six months' hoist to Mr. Keeler's bill was carried by a vote of 148 to 29 , the minority being mostly composed of French members. There was, however, an understanding that the Government would take up the question during the recess.
On Friday Mr. Girouard a again introduced his on persisting that these gentlemen shall be kept in order. The British Columbia judiciary through Committee. The object is to provide for more commits and judges in that Province. The Opposition attacked Sir Leouard Tilley for
not being ready to bring down his Budget. He answered that due diligence was used in preparing it, and that it would be ready in good
time. Of course it is far better that the Government should thoroughly mature what they have to propose. Mr. Girouard's wife's sense of the House semed to be against it, and Mr. Houde.

## HISTORY OF THE WEEK.

MONDAY, February 23.-The Imperial House of Com-
mons has paseed the Irish relief bill. The com-


 That tee Graind Duke Nioholas is implicated in the
Weinter Pulace explosion. H. M. S. Invinciol bas
been despatched to Salonica, in consequence of the
capture of Col. Singe and his wifo by Greek
brigands.
UsBDAY, February $24 .-$ It is thought that the present
opportunity for making terms ith Mat Moud Jan ie
a favoarable one, if the British will socept Yakoob
 Khan's son as the heir to the A meership. T- Turkey
has renumed negotiation with Greeeo no the new
basis proposed by Great Britain. The lmperia Yarliamert hae appointed \& select commitice to
investigate the looding of grinin ships in bulk.-
Liberia has anoxex the adjoining country, known Liberia has annoxed the arjoining country, known
as the King dom of Medina, on mutual and peacesble
tormes.
Wadnks
 The Fiench Government has declined to extradite
Hartananu unleat his couplicitit in the Mosoow affair
is satiffacturily pruved. The Indian builget shows


and




 Saturinay, Febraary 28th. -A despatoh, from Paris
sys that St. Gothard tanel hae been ancess
fully pieroed.


## NOTES FROM HAMILTON.

## modern oonflict.

Students of history, as well as people who have
not made history a study, have leanings; their not made history a study, have leanings; their
opinions are usually influenced by their indivi-
dual temperament dual temperament. Who is there among us but
does not feel warmed up to an indefinite degree of enthusiasm when reading about, or being reminded of, the feudal days of old ? Who can
peruse those descriptive lines which narrate so peruse those descriptive lines which narrate so
powerfully the famous combat between Fitz James and Roderick Dhu without a feeling of sympathy
towards one side or the other : Sir Walter Scott towards one side or the other: Sir Walter Scott
and others have portrayed those romantic times ao vividly that it is no wonder if the people of to-day experience a longing for a taste of feudalism, a kind or other. In fact there seems to be good grounds for the observation that it is doubtful if the whole reading world is unanimonsly in
favor of a purely constitutional form of ment. Souse such feeling must have animated the people of this city. For some montha bock
Hamilton has been the soene of a terrife con-
fict, none the less absorbing on account of its
bloodlessness. It was a war of wind been the cave with most wars, the cause was an
exceedingly simple one, and, at first, no one dreamed that such an innocent looking question could give rise to so severe a struggle. The ori-
ginal question was, "Shall we have a steam fire ginal question was, "Shall we have a steam fire up by some of the people, said "yes," and the remainder of the civic fathers aud the voters
said "no ;" and then began the discussion said " no ;" and then began the discussion. have ended at all, is hard to say, for everybody
seemed wound up for the occasion. A great fire occurred, however, at which the water sapply was not a success and then the " yeas" gained a
victory. Then arose the more complicated quesvictory. Then arose the more complicated ques. In due course two handsomely gotten up and each was backed up by a strong array of and each was backed up
followers and supporters. strong array of
Meetings were held, committees and counter-committees appointed, investigations and tests took place, by-laws submitted, voted upon, etc. ; all the while "the utmost excitement prevailed." The secret of the fight was of a national character, for one ma-
chine was American and the c.ther Canadian. The supporters of the National Policy were deout, and their opponents struggled hard for a victory for the foreign production. As day after day, week after week, wore on, the contest
waged hot and heavy, and at one time, during a test, there was actual danger of a riot among
the assembled multitude. Strange to say, all of a sudden the excitement abated, everybody lost iuterest in the contest, except the owners of purchase any steamer at all.
But it was a famous conflict, and although some cynics speak of it as a "tempest in a teapot," still it afforded a great deal of amusement
for the "boys" and made things lively for a time. Now that it is past, the people have time others could have made such fools of themselves.

Hamilton, Feb. 27th, 1880.

LAW OF PLANETARY VELOCITIES.
THE ORBITAL VELOCITY PRE HOUR OF ANY PLANET AND ITS DI8TANCE FROM THE SUN
BEING GIVEN - TO FIND THE ORDITAL VELOCITY OF ANY PLANET WHOSE DIS-

Divide the greatest distance by the least and thus find the ratio of the distances, extract the square root of this ratio, divide the velocity and the resulting quotient will be the velocity required, namely that of the furthest planet.
The theory of Sir Isaac Newton assumes that in the beginning the planets were projected by it not for the mutual attraction existing between them and the sun, they would move forwards
in a straight line and with a uniform velocity orever ; but in consequence of the force of solar attraction, they are drawn out of rectili-
near paths and describe orbits nearly circular near paths and describs orbits neanly circular
round the sun. The system of Descartes supposes the planets to be carried round me sun by the action of
a circulating medium; but Descartes never
attempted to account for the cause or antesedent fach motion.
The Newtonians condemned the Cartesians,
ad the Cartesians as loudly and the Cartesians as loudly condemned the
Newtonians. "How dare you," says Newton, "assume the motion of a fluid medium which
has no existence?" The Cartesians then remind Newton that he assumes that the planets arere projected in a straight line, while they evidently
describe elliptical orbits.
Sir Isaec Newton then plainly teils the Cartesians that even admitting that the planets culating medium it would not account for their various velocities.
Had Descartes," says the American astron mer, Newcomb, been able to show that the recede from the sun, according to Kepler's third law, his theory would so far have been satisfac
It must be confessed that the objections made by either party against the other, are of scienti-
fic value. In a pamphlet which I published in 1877, (notwithstanding the authority of Ny admitte (notwithstanding the authority of Newton) that admitted that the sun is a heated body. It has the aun radiate less heat than other portions. follows then that if there are inequalities of mosphere would take, place to restore the equilibrium. The motion then of the sola atmosphere in the direction of the sun's motion fluid filling the interplanetary spaces, and this circular notion of the fluid would, as supposed by the Cartesians, carry the various planets in
their respective orbits round the sun. It appears to me, that this explanation, which the
Carterians did not give, is catisfactory, and rests
on strong probable grounds and in strict harBefore attacking the problem which heads this article it is necessary to supply a fatal an omission which rendered it impossible to meet. the objection which I have quoted from New: comb, and which had previously been urged with
great success by Newton himself. The objection great success by Newton himself. The objection
urged by Newton was this : If a liquid is caused to revolve by the application of a force in the and at various distances from each other are not found to observe the same law as the planets do in their motious round the sun. It must here be observed that the great defect in the Cartesian system, in this respect, was that Descartes
failed to point out that in consequence of soler heat do point out that in consequence of solar heat decreasing according to the square of the
distance from the san, so does the ethereal floid distance from the sun, so does the ethereal flaid then of Newton's objection necessarily falls to the ground for this reason. The experimenta which were made were effected by a liquid substance of uniform density from the centre to the circumference, whereas the experiment should have been made (if practicable) with a liquid substance whose density decreased from
the circamference of the whirl or whirlpool to the centre. The question then arises, assuming the centre. The question then arises, assuming
that there is a whirlpool circulating round the sun, and that this whirlnool exiends to the limits of the solar system, and that the deusity of the fluid is affected by the action of solar heat, at what rate would the velocity of the whirlpool decrease from the sun ?
Having thought over this mat
Having thought over this matter, and having
made repeated experiments I find so near as can calculated it, the following result. Assume sun, at a distance of $20,000,000$ miles from the miles per hour, what would be the velocity of the circulating fluid at a distance of $80,000,000$ miles from the sun ? Divide $20,000,000$ into $80,000,000$, the quotient is 4 , from which extract the square root which is 2 , which sum
divided into 150,000 will give 75,000 miles of velocity per hour. This is the exact law which sun, as will appear evideut by the following : sun, as will appear evideut by the following:
The planet mercury at a distance of 35,392 , 608 miles from the sun travels at the rate of 105,330 miles per hour, at what velocity per
hour should the planet Mars move whose distance from the sun is $139,312,226$ miles if both are carried round by the action of a circulating
medium ? Divide $35,392,608$ into $139,312,228$ medium ! Divide $35,392,608$ into $139,312,226$
will give 3.9361954602 , from which extract will give 3.9861954602 , from which extract divided into 105,330 will give 53,090 which is
the velocity of Mars per hour. In case there is an inter-mercurial planet at a distance of 15,730 ,048 miles from the sun, its orbital velocity per
hour will be 157,995 miles, or if it is at a distance of $8,848,152$ miles from the sun, it will travel at the rate of 310,660 miles per hour.
Should any planet hereafter be discovered whose Should any planet hereafter be discovered whose
orbital velocity is one mile per hour, its distance from the sun can be ascertained !y the following from the sun can be ascertained ly the
operation $35392608 \times 105330 \times 105330$.

Having for a number of years devoted coasolution of this prober to subject, offer the scientists, particularly astronomers. There is another application of this rule and of a more startling character; but as I have not yet anbjected it to a sufficient number of trials, I will def making it public untill will have done so.
Dugald Macdonaid.
Montreal, 28rd February, 1880

## breloques podr dames.

The women who do fancy work don't faney
Tur cash gifts to Mry. Ouray, in Washington; Leather petticoats are worn for walking by
nglish women. They look tike satin and wear forA Gentleman refusing an offer of marriage
duriog leap year is expected io present the young ladj dariog leap year is expeoted to
who proponet with a now dress.
Macadlay was, sour enough to say: "Men are loved by women in proportion to their suoces to
iffe."
He wae a beoholor and devotod atimself to matiag Ir is
Ir is a mean woman who will paste a lant year's plate of fachions for bosnots finto a this your's
frabion book, and lead it to fomale friends juat before
Eater Sunday. The Chicago School Board having decided
Then
 narried, the Now Haven Register think "it makers
very anpleasant for youg men who are looklak fot
suportu.
A Young man who was pleasantly engaged in


"We bring up our girls," remarked a modern



## Father is Cetting Well.

My daughters say, "How much better fathet, well after his long suffering from a disert

