HASZARD'G GAZETTTE, APRIL 26.

Progress or Astioniopical. Science.-Seventy-five years since, the only planets kanwn to men of science were the same
which were known to the Chaldean shep which were known to the Chaldean shep-
herds thouspnds of years ago. Between Merds thouspinds of years ago. Between the orbit of Mars and that of Jupiter there hundred and fifiy millions of miles, in whic mo planet was known to exist before the commencement of the present century Nearly three centuries ago, she immorta Kepler had pointed out something like reguilar progression in the distance of the
planets as far as Mars, which was broken planets as far as Mars, which was broken
in the case of Jupiter. Being unable to reconcile the actual state of the planetary system with any theory he could form respecting it, he hazarded the conjecture tha a planet really existed between the orbit ane and Jupiter, and that its smaline alone prevented it from being visible to
astronomers. But Kepler soon rejected this idea as improbable.

Knowledge of the World Necess ex.-N.thing has so much exposed men fearning to contempt and ridicule, as their ganorance of things which are known to al
but themselves. Those who have bee taught to consider the institutions of the man abilities, are surprised to see me wrinkled with study, yet wanting to be in :atrueted in the minute circumstances of propriety, or the necessary forms of daily transactions; and quickly shake off their they find to produce no ability above when rest of mankind. Books, says Bacon, can mever teach the use of books. The atudent must learn by commerce with mankind to seduce his speculations to practice, and
accommodate his knowledge to the purposes accomm

Cuemister axd Matertalism.-The senowned Liebig delivered a public lecture "on "Animal Chemistry" at Munich, on accasion to declare, from his position as eliemist and naturalist, his opposition to the wiadely spread views of Moleselott, Vogt,
Buchner, and others of the most rugged deverialism. He pronounced himself, with dithity and energy, against the "deniers
of thind and vital power," and illustrated of and and vital power," and illustrated tion, their erroneous theories on pure sible it is to explain, on chemical principles, the exiatence of even the lowest connecting parts of an organism-of a cell or a mus-
eular fibre-and how much more so to aceount for the mysterious processes of life and thiuking by a change of matter. He alemonstrated how unable mate:ialists we to distinguish organie: Combinations from
those purely chemical. Nothing, he said, was more absued than to derive the process of thinking and wilting from a phosphores-
eence of the brain, as Moleschoot had done. How much more of thinking stuff
then, (unterial of thinking), would there be contained in toones, which have four hundred times more phosphorus than the brain?
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Coas. and Wood. - Wood used an fuet generates heat mose rapidly than conl; but
a peund of the latter (anthracite) will evapurate three times more water than a pound of wood. As a compact fuel, coal, therefore, is the best for use in generating steam, because plenty of draft for rapid combustion can easily be obtained by a blower or tall ehinnney. As wood contains a great quantity of oxygen, and anthracite
coal none, less air is taken from an apartment when wood is used for fuel, than whem anthracite coal is used. This is the reason why the atinosphere of apartments heated with wood fuel produces, as it were, a more genial influence, and why such fuel is also more healithy for heating: also why i air from the outside to supply the fire.

Camp at Wiscaeater.-Instructions Shave been given by the goverument, that
$\$ 00$ aeres of tand in the neighbourhbod of Winchester shall be purchased for the purWinchester shall be purchased for the pur-
pose of forming a perinanent canp of 500

Eantheuakes - There are two theorie Isecting the, eause of earthquakes.
lains, that this earth was once a molte jery ball, and that its interior is still enery mass, and is sometimes caused on the earth's surface.
2 d . The electric theory, which ateri utes the shocks to disturbed magneti chocks are noust of the globe-that the olectric shocks.
As earthquakes are local, those who dispute the igneous theory assert, that if the and earthquakes were caused by waves of this fluid, then the oscillations would be felt equally strong on every part of the arth's crust.

New Remedy for Sei Stceness. Mrs. Eimma Willard of Troy, proposes which conxists in forcibly expelling the inpure air, from the lungs, and filling them
with pure nir. This is her ndvice:-- Muke your chest as small as possible by tooping drawing down your ribs, and pressing your arms to your sides; throw
out the air by a violent and long-continued exhaling, blowing it from your mouth as ngaged in blowing up a fire. Then change, nake a long and iop your chest to its fullest dimensions by tanding erect, and raising your arms from our shoulders. Three or four of these
ong forced breaths are sufficient to relieve severe case of sea-sickness.
Interesting Portrait.- The ship Frigate Bird, at Philadelphia, from Jondon, brought a fine original portrait of the fa-
mous British patriot and statesman, John Hampden. It belonged to the Hon. John McGregor of the British Parliament for
Glasgow, and is to be presented by hiur hrongh Mr. Buchanan, to tha Congress of he United States.
Aderiterations of Quixine.-The high price at which sulphate of quinine can now
he had in its purity, has led to its extensive adulteration. Physicimns and the public
should be on their, guard, and only elitai the article from safe and reliable hands, else they may be using arsenic, piperine. of
strychnine, for all these are employed for adulterating purposes.-Medical Gazelle.

Sugcestive Fact.-It is estimated, thet very one of the soldiers who besieged
Sebastopol, has cost, on an average more to France and England than a goospel
missionary missionary would have cost, according
the usual remuneration, in every part of the globe.

Mortality or Butcners.-An artici
Mortality of Betchers.-An articie
of recent date in the London Medical Tines, states, that the highest rates of mortality
are found among the butchers, as is shown by official statistics, and confirned by carefal observation. The florid comples-
ion, which is pecoliar to the butcher, does not seem to indicate enduring health.

A Pasha Attending Chipren.-A letter fron Jerusalem states, that on a recent
Saldsath, his Excelleney, Kiamil Pasha, attended the English service in company with his two secretaries, and followed as far as the door by a long train of servants. Whe
would thave anticipated such an occurrrnce would have anticipated such an oceurrrnce
a few years since!-Christian church bells a few years sinee!-Christian church belis
ringing in the Holy City, and a Turkish ringing in the Holy City, and a Turkish
Pasha walking gravely to church.

Tue Eafteraly Winde.-Letters from Amsterdam state that a singular spectacle seen for the last half century, the Zuyderzee, in consequence of the long continuance of northerly and casterly winds, is almost dry. Between Geneminden, wyk the bed of the sea may be crossed dry-footed, and ateambonts and other vessels are everywhere high on the sands.
(From the \&s. John Morning Courier:) The Railway Bills, as passed the Legiilature,
rovide for the issue of Debentures to rovide for the jisse of Debentures to the
mount of $£ 2000,000$ sterling per annum for will be determined a good deal by the atato of the mooney market in England. When Mtr.
Fisher began his arrangeuent with Mesore. Fisher began his arrangement with Mesers
Baring. the enaettled state of ecommerial
afiairs in consequence of the war, which then aliai
appe
seem see raising to
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sent $y$ year.
en
It is very easy for parties who some month vernment succeeding in passibing ty of our Gocernment succeeding in raising money at sueh
time, to try now to miserepresent the terma. $t$ is enough for us to know, that we have made in very bad times, as good an arrangoment for
money to build our Railways, as Canada, with all its reesources, made in very good times; and
very rational man, who is willing to risk bos erery rational masn, who is willing to risk bor
rowing money for such a purpose, will aerowing money for such a Pu
knowledgo that a mueh better b
win we could have expeeted.
We refer to this subjeet now for another pur-
pose. Although we only get $\& 50,000$ sterling during the present year, and probably eould
not well expend it, if we had more, we have authority under the Bill to ereate, we hav additional debentures. Thus, if in 1857 and 8 , the money market should bo very easy, we can
go to the extent of $£ 550,000$ sterling. That amount with the $£ 50,000$ this year, and the 260,000 which will be paid to Jaekson, will
make altogether the sum of $\mathbf{x 9 0 0 , 0 0 0}$ sterling by the end of 1858 . Now, assuming that the
Goverument draw this full amount it lear, tiat by that period we shanll, have an im portant line of Rai
thers coummenced.
Some persons who ought to be good judges
ay, that our Railwaya can be built by the Goernuent, when payments will be cash, for a an average. We are informed ong good autho-
rity, that a contraetor of eminence, has already exprcssed bis willingness to to build the line froun
Shediae to St. John lor Shediae to St. John tor this sum. If this be so
and we believe it is, there is ncthing to prevent
the whole line from Shediae to $S t$. John bein inilt by the autumn of 1858 , or at latest early in 1859 , besides an expenditure of considerably
upwards of $£ 100,000$ sterling on the two ex tensions by that time.
We believe that the design is, to complete
from Slediae to the Bend as soon as possible then to complete from St. John to Hampton, fort
which the contraet can be issued at once. Thi part of the road, therefore, may also be opened nest year. - We believe that the line to the
Bend may be brought into use, and made to pay a little, as 8 oon as particular parts are finished. The estensions will be surveyed during the
present ecason, and the expenditure will comrresent season, and the expenditure will com-
mence upon thern next year. Aany would mence upon thein next year. Many would
have preferred seeing the line already under
contraet conpleted first, but this was found contraet conppeted irs, hat has was found
impossibe, principally because of the feeling
of fine counties on the upper part of the River of the counties on the upper part of the Rive
St. Johin. The Atorney General was not wil
ling to allow York County to be unprovided for ling to allow York County to be unproxided for
inumediately, and as he had been no instrumental in securing the commensement of the work,
the arrangement to provide for the road frou
St. John to Woodstock was assented to. This of course, also led to the provision for the ex
tension to Chatham, already secure rension to Chatbam, already secured by the old
Bills.
We have been a little surprised at the dis satisfaction whieh some parties in ${ }^{\text {at }}$ rederieto are said to have felt at not hating the rond
immediately built. Could they expeet this city immediately built. Could they expect this eity,
and the other counties imuediately on the
Shediae line, to gire way for an cntirdy new the of road? Nothing, we are persuaded, newt the
wish of the Government and the House, to do wish of the Government and the House, to do
all that was possible to neet the Attorney Ge neral's viaws on this point, ine conseruence of
his own exertions, would have induced his own exertions, would have induced them to
consent to any expenditure on the extensions consent to any expenditure on the extensions,
until the Shediac and St. John line was first conppleted.
But our
But our friends in the interior are now per
feetty safe. They have for the first tive leetly safe. They have for the first time
Railroad secured to Woodstoek. They wi have a survey immediately, and during the nex
two years an expenditurs two years an expenditure which will make
thene probathy twelve or fifteen miles of road thene probably twelve or fifteen miles of road
Then they will get their full share. The dela
in a very mmall one, and we can assure them in a very mmall one, and we ean assure them, the Province boundary, is estinated, hore, an
will receive the most influential support, if will reesive the most
ould ever require it.
If for instance, in
If for instance, in 1852 . When the Facilit
usilla were passed, an arrangememet simailar
that now made hiad been efleted, we shoul
now in 1856, have been ahout in this condition
miles of rond towards Miframiohi would like-
wiee be coumpleted; part of the road from Fre-
derieton to Woodstock would also be completed: derieton to Woodstock would also be comploted:
and now the work would be proceeding on the and now the
wholo line.
It is uelese It is useless. however, to argue a point which
is ao plain. We may woll express our thankfulness, that we have wot rid of the great sonfalness, that we have got rid of the great con-
traetors. $1 t$ is altogether idle to say, that they
and would ever have completed the work, even if
our Goverament had met their demande last our Government had met their demands las
summer. Their present conduet with respee,
to Canada, shows that they are not to be do pended upon. That Provinee has got into a sea of trouble with them, which will, we fear,
seriouely embarrass its railway movements for seriouely embarrase
some time to come.
We Eseentll now await anxiously the aetion of the Exeeutive in taking the necessary steps to
set the work in motion. It is neeessary, wo presume, that the Attorney General or Provin cial Seeretary should proceed to England ane prelimina arrangements. But, in the meantimeses may be determined, both
pres with respeet to the road betwen Shediae and
the Bend, and the survey of the extensions.
Wo trust the Esecuative will do their duty prompust and energetically

## HASZARD'S GAZETTE

## Satuaday, April 28, 1856

Tumar are some expressions which derive tion of the person using them. For example Mr. Coles in speaking of persons who in the exercise of a constitutional right signed an
address to their Quen reflecting in severe address to their Queen refleeting in seever
terms, it is true, on the conduct of the presen administration, ealls them persons "eating the bread of that Government,", whose measurge
they have had the ingratitude-for that is the iey have had the ingratitude-for that is the
import of the speech-to find fault with. When language sueph as this is used by the person
calling himself the leader of the Government it is best to meet it at once. Does Mr. Coles mean to say, that because a man is a pubfic
oficer, in the receipt of a public salary- of no consequence how much or how little-that the
faet of his receiving euch eal faet of his receiving eueh ealary constitutes
him a servant of the existing administration
ot "whose bread he cats ", Yes, he does mean exaetly this, in other words, "You are to a certain
degree dependent on the vote of the Ilouse of degree dependent on the vote of the llouse of
Assembly for the means of living, and if you dare to find fault with a singlo aet of inine, I
will will turn you out of oflice and put one of
my own ereatures in your place, my own ereatures in your place. Nu Now this
is language that would be eonsidered constitutional, right and proper in Russia or Turkey.
but among a people who boast of their descent but among a people who boast of their descent
from Brituns, it sounds, to say the least of it
rather sitange and frein of the most popular song in their language, "" For Britons never, never will he
laves." But where does Mr. Coles get this aves." But where does Mr. Coles get this
notion of official subserviecey . Not from tho
axims and practice of the British Parliament we are most certain. Let him or any other person turn his eye over the list of the oppo-
sition, and he will sce Generals and Colonels, and other officers in the aray and Adnirals
and and Captains ia the nary, some on full and some on half-pay, speaking and voting against
the present administration, and the Minister-
if if such could be found-who would dare to
insinuate that they were "eating the bread of
 storm of indignation and contempt, that would
convince him that he had no longer any busiconvince him that he had no longer any busi-
ness there. When a man receives a sulary for any services he may render the public, we hare
been alwass in the habit of supposing, that he was indebted to the people for the remunerawas indeeted to the people for the remu unera-
tion he receired, and we think so still, notwithstanding the high authority of the leader of the
sin Government. We are ito more particular
abuut this, because, if the idea is adupted and acted upon., we shall have becone a meaner aeted upon, we shall have becone a meaner
and more aljeet race, than the slaves of Rassia
and Turkey. and Turkey: and because suech sentinents.s areo
diametrically opposite to the habits and mandiametrically opposite to the habits and man-
ners of the British people, and the maxims of the eonstitation. A A severe jealousy of the
therty in power is the rule. party in power. is the rale jel Soldiers are or-
dered off at a distance from the seene of ele dered off at a distance froim the seene of elec-
tions, because their presence might intinidate the voters ; every preeaution is is taken to pre-
the
vent Gorernmens midate vent Goovernuent making use of its patronage
in order to influence elections. The contrary in order to influence elections. The contrary
we $k n o w$ is the ease here. Men are put into places in the magistracy. the exeise, the road serviee or any othisr serviee on the very express
condition, , hat they exent their owninfluence, keeping the of their relatives and friends represintativess of the pooper in their seats as
have always belonged to the worst periods of a have always belonged to the worst periods of a
nation's history. We have great hopes hownation's history. We have great hopes howr-
ever founded on the general good sense and
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