PROGRESS OF ASTRONOMICAL SCIENCE. Seventy-five years since, the only planets known to men of science were the same which were known to the Chaldean shepherds thousands of years ago. Between the orbit of Mars and that of Jupiter there curs an interval of no less than thre indred and fifty millions of miles, in which known to exist before the encement of the present century Nearly three centuries ago, the immortal Repler had pointed out something like a regular progression in the distance of the 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 that a planet really existed between the archite lanet really existed between the orbits of Mars and Jupiter, and that its smallness alone prevented it from being visible to nomers. But Kepler soon rejected this idea as improbable.

KNOWLEDGE OF THE WORLD NECESSAav.—Nothing has so much exposed men of learning to contempt and ridicule, as their but themselves. Those who have beer taught to consider the institutions of the rance of things which are known to all Those who have been abilities, are surprised to see men wrinkled with study, yet wanting to be in-structed in the minute circumstances of propriety, or the necessary forms of daily reverence for modes of education, which they find to produce no ability above the rest of mankind. Books, says Bacon, can never teach the use of books. The student nerce with mankind to reduce his speculations to practice, and nmodate his knowledge to the purposes

CHEMISTRY AND MATERIALISM .- The venowned Liebig delivered a public lecture on "Animal Chemistry" at Munich, on on "Animal Chemistry at manner, the 19th of January, in which he took occasion to declare, from his position as chemist and naturalist, his opposition to the chemist and naturalist, his opposition to the widely spread views of Moleschott, Vogt, Buchner, and others of the most rugged meterialism. He pronounced himself, with distity and energy, against the "deniers of mind and vital power," and illustrated and combated, from his profound conviction, their erroneous theories on pure titic grand. He showed how impos sible it is to explain, on chemical principles, the existence of even the lowest connecting parts of an organism-of a cell or a mus and how much more so to account for the mysterious processes of life and thinking by a change of matter. He demonstrated how unable materialists were to distinguish organic combinations from those purely chemical. Nothing, he said, was more absurd than to derive the process of thinking and withing from a phosphorescence of the brain, as Moleschoot had
done. How much more of thinking stuff
then, (material of thinking), would there
be contained in bones, which have four
handest times, companyed the butchers, as is shown hundred times more phosphorus than the by official statistics, and confirmed by brain?

COAL AND WOOD,-Wood used as fuel generates heat more rapidly than coal; but a pound of the latter (authracite) will evaporate three times more water than a pound of wood. As a compact fuel, coal, e, is the best for use in generating steam, because plenty of draft for rapid combustion can easily be obtained by a blower or tall chimney. 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 when anthracite coal is used. This is the reaso why the atmosphere of apartments heated with wood fuel produces, as it were, a more genial influence, and why such fuel is also more healthy for heating: also why it does not require such an amount of cold

EARTHQUAKES.—There are two theorie

lst. The igneous theory, which maintains, that this earth was once a molten fiery ball, and that its interior is still a fiery mass, and is sometimes caused to generate waves, which produces oscillations on the earth's surface.

2d. The electric theory, which attri-butes the shocks to disturbed magnetic action in the crust of the globe—that the shocks are nothing more than powerful

As carthquakes are local, those who dispute the igneous theory assert, that if the interior of the earth were a molten mass, and earthquakes were caused by waves of this fluid, then the oscillations would be felt equally strong on every part of the crust. earth

NEW REMEDY FOR SEA SICKNESS. Mrs. Emma Willard of Troy, proposes a new remedy for this unpleasant sickness which consists in forcibly expelling the impure air, from the lungs, and filling them with pure air. This is her advice:— "Make your chest as small as possible by stooping, drawing down your pressing your arms to your sides; throw out the air by a violent and long-continued exhaling, blowing it from your mouth as if engaged in blowing up a fire. Then change make a long and forcible inhalation, open ing your chest to its fullest dimension ling erect, and raising your arms fro your shoulders. Three or four of these ong forced breaths are sufficient to reliev a severe case of sea-sickness.

INTERESTING PORTRAIT.- The ship Fri

SUGGESTIVE FACT .- It is estimated, that every one of the soldiers who besieged Sebastopol, has cost, on an average, far more to France and England than a nissionary would have cost, according to the usual remuneration, in every part of

CAMP AT WINCHESTER.—Instructions have been given by the government, that been given by the government, that Winchester shall be purchased for the purpose of forming a permanent camp of 500 and steambonts and other vessels are everywhere high on the sands.

It for instance, in 1852, when the Facility should ever require it.

Blockzel, Lemmer Kampan, and Harder-box ways the bed of the sea may be crossed dry. Blockzel, Lemmer Kampan, and Harder-box ways the bed of the sea may be crossed dry. Blockzel, Lemmer Kampan, and Harder-box ways the bed of the sea may be crossed that now made had been effected, we should ments as those involved in Mr. Coles' phrase of now in 1856, have been about in this condition: "eating the bread of Government" will be completed and in fall operation; several Government oreal enters when seen coming to

The Railway Bills, as passed the Legislature, provide for the issue of Debentures to the amount of £200,000 sterling per annum for railwaypurposes. Of course, the expenditure will be determined a good deal by the state of the money market in England. When Mr. Fisher began his arrangement with Mesers Baring, the unsettled state of commercial afairs in consequence of the war, which then appeared likely to last another year at least, seemed to present an insuperable difficulty to raising money. Both himself and his colleague, Mr. Robertson, were surprised, we believe, when the promise of £50,000 sterling was obtained for 1856, at six per cent. This sum, it is expected, will completely finish the road from the Bend to Shediac, and provide for the surveys on the extensions, &c., during the present year.

It is very easy for parties who come time to come.

miles of road towards Miramichi would likewise be completed; part of the road from Fredericton to Woodstock would also be completed; and now the work would be proceeding on the whole line.

It is useless, however, to argue a point which is so plain. We may well express our thankform appeared likely to last another year at least, seemed to present an insuperable difficulty to raising money. Both himself and his colleague, Mr. Robertson, were surprised, we believe, when the promise of £50,000 sterling was obtained for 1856, at six per cent. This sum, it is expected, will completely finish the road from the Bend to Shediac, and provide for the surveys on the extensions, &c., during the present contractors. It is altogether idle to say, that they would ever have completed the work, even if to canada, shows that they are not to be depended upon. That Province has got into a sea of trouble with them, which will, we fear, erriculty contractors in the survey. (From the St. John Morning Courier.)

sent year.

It is very easy for parties who some months since ridiculed the bare possibility of our Government succeeding in raising money at such a time, to try now to misrepresent the terms. It is enough for us to know, that we have made in very bad times, as good an arrangement for money to build our Railways, as Canada, with all its resources, made in very good times; and every rational man, who is willing to risk borrowing money for such a purpose, will according to the such a purpose. rowing money for such a purpose, will acknowledge that a much better bargain was made than we could have expected.

We refer to this subject now for another purpose. Although we only get £50,000 sterling during the present year, and probably could not well expend it, if we had more, we have authority under the Bill to create £150,000 additional debentures. Thus, if in 1857 and 8, the money market should be very easy, we can go to the extent of £559,000 sterling. That amount with the £50,000 this year, and the £60,000 which will be paid to Jackson, will make altogether the sum of £960,000 sterling by the end of 1858.—Now, assuming that the Government draw this full amount, it is pretty clear, that by that period we shall have an important line of Railway completed, and two others commenced.

Some persons who ought to be good judges, We refer to this subject now for another pur

of the countries on the upper part of the Attorney General was not willing to allow York County to be unprovided for immediately, and as he had been so instrumental in securing the commencement of the work, storm of indignation and contempt, that would the arrangement to provide for the road from St. John to Woodstock was assented to. This, less there. When a man receives a salary for any services he may render the public, we have

miles of road towards Miramichi would like-

We shall now await anxiously the action of the Executive in taking the necessary steps to set the work in motion. It is necessary, we presume, that the Attorney General or Provincial Secretary should proceed to England and finish the arrangements. But, in the meantime, preliminary measures may be determined, both with respect to the road betwen Shediac and the Bend, and the survey of the extensions. We trust the Executive will do their duty promisily and secretically promptly and energetically.

HASZARD'S GAZETTE

Satuaday. April 26, 1856.

INTERESTING PORTRAIT.—The ship Frigate Bird, at Philadelphia, from London, brought a fine original portrait of the famous 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 him, through Mr. Buchanan, to the Congress of the United States.

ADULTERATIONS OF QUININE.—The high price at which sulphate of quinine can now be head in its purity, has led to its extensive adulteration. Physicians and the public should be on their, guard, and only obtain the article from safe and reliable hands, else they may be using arsenic, piperine, or strychnine, for all these are employed for adulterating purposes.—Medical Gazetle,

Suggestive Fact.—It is estimated, that the covery one of the soldiers who beginged to the soldiers who beginged and the soldiers who beginged to the soldiers who beginged to the soldiers who beginged and the soldiers who beginged to the soldiers who beginged and the soldiers who beginged and the soldiers who beginged to the soldiers and the soldiers who beginged to the soldiers who soldiers and the soldiers who soldiers are soldiers who soldiers and the soldiers who soldiers are soldiers and the soldiers who soldiers are soldiers and the sol which the contract can be issued at once. This part of the road, therefore, may also be opened next year.—We believe that the line to the Bend may be brought into use, and made to pay a little, as soon as particular parts are finished.

The extensions will be surveyed during the resent season, and the expenditure will compare, furning eq. furning the part of opened ding 40 part of opened for part of other parts of the counties on the upper part of the River St. John. The Attorney General was not will not be found—who would dare to ling to allow York County to be unprovided for of recent date in the London Medical Times, states, that the highest rates of mortality are found among the butchers, as is shown by official statistics, and confirmed by careful observation. The florid complexion, which is peculiar to the butcher, does not seem to indicate enduring health.

A PASHA ATTENDING CHURGH.—A letter from Jerusalem states, that on a recent Sabbath, his Excellency, Kimmi Pasha, attended the English service in company with his two secretaries, and followed as far as the door by a long train of servants. Who would have anticipated such an occurrence a few years since!—Christian church hells ringing in the Holy City, and a Turkish Pasha walking gravely to church.

The Easterly Winds.—Letters from Amsterdam state that a singular spectacle now presents itself, which has not been seen for the last half century; the Zuyderzee, in consequence of the long continuance of northerly and ensterly winds, in characteristics. They have for the first time a Railroad secured to Woodstock was assented to. This, of course, also led to the provision for the extensions, because the half to be of conformed to woodstock was assented to. This, of convergence of the long complexion for the extensions, because the provision for the extensions, because the proof of the last half century; the Zuyderzee, in consequence of the long continuance of northerly and ensterly winds, in characteristics. They will get their full share. The delay is a very small one, and we can assure them, the provision for the extensions, the consequence of the long continuance of northerly and ensterly winds, in characteristic through the provision for the extensions, the consequence of the long continuance of the last half century; the Zuyderzee, in consequence of the long continuance of northerly and ensterly winds, in the provision for the extensions, and the influence of their read into the base of the provision for the extensions, the provision for the extensions, and the provision for the extensions, the provision for the extensions o

MEN ubjects more in lecture to which large and resp delivered by the perance Hall, o chosen was the the remedy pro long suffering happy in his ill tural in his ext with which he reception of the blessing to the the world, will by remembered ly remembered It was ann the services of

We are ind Boston Papers

We had the Watson Duch since. It is a well suited fo not be procur and serve as

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