CHURCH OBSERVER, WEDNESDAY, 25th AUGUST, 1869.

of secrecy will in the end be their ruin, the air of an apartment, and is in a great tific. and when it is too late, they will repent of measure inimical to free ventilation; be it.-Pall Mall Gazette.

ROMISH INTOLLERANCE IN THE BRAZILS.

Grat excitement has been produced in Brazil by the action of the Bishop of Pernambuco in forbidding the burial in consecrated ground of the remains of General Abreue Lima who was perhaps, the most noted historian of Brazil. He was a man of great talents and acquirements, and of high character and position. Some two or three years ago published a a very able defence of the Bible against the attacks of the priesthood- The contest was carried on till the General exposed in a most masterly, though violent, manner the errors of the Roman Catholic Church. He died a few weeks since, at an advanced age, and immediately the Bishop issued an order prohibiting his burial in the Roman Catholic cemetery. The community formerly considered one of the most bigoted in the empire, was greatly incensed A large concourse of people carried the body and laid it to rest in the English cemetery The Bishop has been roundly abused by the press throughout the country, almost without exception, for his conduct in the case.

JUSTICE AN NEW YORK.

The Troy Times complains that it has another illustration of the manner in which justice is mocked in New York, by the arrest of a Troy citizen in this city last week. average surface of the photosphere. The charge against him, it says, was false, and the entire proceedings show a contempt of law and justice on the part of the officers. The account given was as follows: The gentleman arrested was the president of a manufacturing company in Troy, the nominal capital of which was \$500,000. The company of which he had been the president had never proved to be very successful in its operations, and had been kept alive by resources furnished from his private funds. At one time he owned most of the stock of the company. There were been insisting on the discrepancy between ten thousand shares of \$50 each. Thirty of them he gave to an individual supposed to have some influence in introducing the The infidel clergy of Europe and America article manufactured by the company. have called the geological theory "science," This individual, from some cause or other, imagined that if he could only get the ear of justice, knowing she was blind, he could, is not a well ascertained body of facts, but by swearing strong enough, obtain an order a hypothesis-namely, that the planetary of arrest and hold to bail an amount which system originally consisted of a red hot would trouble even bank presidents to give. cloud of gas, a nebulæ which, gradually The services of a lawyer suitable for that cooling down when revolving, cast off the kind of work, were secured, the affidavit planets, and our earth among them, in a made, and an order obtained from Judge gaseous estate, gradually condensing into a McCunn to hold to bail in the sum of \$40. 000. If all the allegations contained in ing over the surface and called the primary this affidavit were taken as true (which is strate, which crust was gradually washed denied), the plaintiff would have been enti- down by rains and rivers into the beds of tled to recover only the sum \$105. This ancient seas, thus forming the sedimentary order of arrest, however, required two strata composing the solid earth, and leavsureties, and they must justify in \$80,000 ing the interior composed of a molten each, which is equivalent to bail in the granite sea of fire, whose storms cause amount of \$160,000. Upon this basis of earthquakes in our floating crust and oc-bail it would require over \$50,000,000 to casion the eruptions of volcances. Assumbail the defendant if prosecuted by all the ing this as the mode of the earth's formastockholders. The arrest was made. The tion, various calculations of the time nebail must be forthcoming or Mr. ex-Presi- cessary for the process have been made, dent must visit Ludlow-st. Jail. Upon and scales of some millions of years, more payment of \$100 dollars to the officer who or less, have been affixed to particular arrested him that calamity was averted for one day, to get time to procure bail. Bail was obtained—the necessary bond exe-cuted and the sureties justified, and, by an examination entered into, established the fact that they were worth over \$400,000 over and above all debts, &c. When that strata not less than a hundred thousand was done the fees of the clerk in the she-years old, by their chronology; and among riff's office for drawing bond; &c., were these, some of our State geologists, at the paid, amounting in some way to just \$11.- meeting of the American Association for 75. The defendant now supposed all had been done that was necessary to effect his quite positive in stating this as an ascerliberation from arrest; but in this he was tained fact; while the State of Illinois has mistaken. One hundred dollars more was expended the public money in publishing asked and paid to the officers to have his this alleged fact, for the information of its bond approved ! The poor victim who was citizens, in the Report of the Geological thus robbed out of over \$200 considers it Survey of that State. The daily papers of "a fine joke on the old man." We have many of our cities, especially those which the above facts from an entirely reliable source. We are also informed that, in over this alledged contradiction of the fact, there is not the shadow of a claim Bible-perceiving that, if they can geoloagainst the defendant, and that the whole thing was trumped up to black-mail him into paying something rather than be locked up in jail. Should not something be done to guard the citizen and protect him from such outrages in the great city of New York?

cause if plenty of cold air is admitted, the

temperature of the room is reduced, and the, exclusion of the cold air is one reason why a handful of fuel will do in a stove.

The open fire on the contrary, darts its ray of heat through the air direct to the per of fresh air is rolling through the room, which would cool down a stove-heated apartment to a most uncomfortable point. -Engineer.

-Mr. De La Rue took two photographs of the solar eclipse of 1869, at intervals of eighty seconds. These, put together in a stereoscope showed a remarkably t hful view of the eclipse, such as could never be seen in any other way. The moon was seen as spherical and not flat, and as if quite near, compared with the distance of the sun; while far beyond was seen the brilliant corona and atmosphere of the sun.

-The character of the solar spots has been currously proved by taking a photograph of the sun at a time when it showed a well-defined spot and then waiting a single day and taking a second photograph. These two photographs, put together in a stereoscope, gave the appearance of the sun as spherical and not as flat; and it was possible to look down into the cavity of the showed themselves to be higher than the

-Mr. Symons, an English savant, has by mixing kaoline with hot water holding been experimenting in temperature in an alkali in solution, under pressure; while abandoned artesian well. He found at a mica and quartz, the other ingredients of depth of 1,100 feet the temperature was granite, are confessedly of aqueous forma-20 degrees higher than above ground. At tion. this rate of increase, the boiling point(210) and a half down.

THE REVOLUTION IN GEOLOGY .-Science and Infidelity Backing Down .-Geologists have, for the last thirty years, their theory of the formation of the earth and the Bible account of the creation. and have disparaged the Bible as opposed portions of the geologic strata. The popular interest, however, has been attracted more particularly to that part of the series which includes the human race. A number of modern geologists seem disposed to assert the existence of human fossils in the Advancement of Science, last year were issue Sunday editions, have been jubilant gically overturn Moses' account of the creation, they will not have much to fear from him theologically. waked up to the importance of this issue. or, perhaps are not generally sufficiently acquainted with the merits of the question It must however, be fully and fairly met; the alledged facts must be examined, and perience in the Lower Provinces. He is a invited to enjoy a fish dinner at Sceaux, their logical bearings on the theory ascertained, -- for, in these days of free thought young men will read on every subject, and whose duty it was to inspect the light- train arriving at station, turns round in an they are liable to the delusion that unanswered objections are unanswerable. The at every light-house and making a personal curiosities of railways. But according to Theological Seminary of the Northwest, at inspection of the premises and the keepers the Fairlie system, exhibited last week in a Chicago, (where the attack was made in in charge. The information thus acquired small garden attached to the Hatcham his book. great force, and the Calavetas skull was ex-bibited as at least a hundred thousand years old,) requested Rev. Robert Patter-the Deputy Head of a Department can son, D.D, to deliver a course of lectures on step out of the usual red-tape routine, and, at Seoaux fills, and is easily adapted to any the Relations of Science to Scripture : though at personal inconvenience, have a ordinary railway system. which he complied with, by discussions of thorough inspection of the important, the Development Dogma, beginning with matters which come under his control. tions are excluded, and the introduction of the Astronomical department, following it the German ac, oc, ue allowed, together into the domain of Geology, and examin-ent of the Light-houses" of Ontario, Mr. Fairlie manages to get rid of an enormous amount of that dead weight which belongs with the use of long and short vowels, it would be suitable for German, French and English from mineral monads, -conducting the ex. Smith (no connection of the Deputy to the expenses of every railway. He pro-THE OPEN FIREPLACE.—The open fire amination from a purely scientific stand-is retained in our drawing-rooms not only point. He finds the theory in all its parts years, during which time a good many of cheap railway—enabling us to have a because it is pleasant to look at-and this unsupported by facts, contradicted by the dangerous points have been lighted, and

tion Geology," was published in the April number of the American Presbyterian Re-view. It gives a resume of the most recent discoveries in geology, authenticated by re- bec and Montreal. A few years since the son or thing; and thus it is quite possible to bask in the beam of a friendly fire and feel quite comfortable, too, while a volume overturn the hypothesis of a globe of mol-to bask in the beam of a friendly fire and America—discoveries which completely overturn the hypothesis of a globe of mol-whale oil was used at many of the western whale oil was used at many of the vestern whale oil was used at many of the vestern overturn the hypothesis of a globe of molten granite, on which all the infidel attacks on Genesis have been based. These dis-per gallon. The finest and best petroleum, coveries are attested by such geologists as Sir Charles Lyell, Sir Roderich Murchison furnished at 221c. per galloh! It has Professor Anstead, Messieurs Elie de Beau-mont, Rose, Lorby, Daubree, &c.,—the very first names in that science. They go to show that there never was any basis of sperm, and with buy little smoke. We facts for the current infidel theory,-which append the following list of light-house

found overflowing secondary and tertiary strata; that the three ingredients of which it is composed are of different specific gravities, and so could never have been in a state of jgneous fusion, in which the heaviest would have settled to the bottom; that black lead and even fossils have been found in gigantic rocks, which would have been Lancaster Pier periment is tried granite will not melt, but the quartz contained in it will be converted spot as if into the crater of a volcano. In into a mineral of a different specific gravity of cess,-Messrs. Rose and Daubree having

actually made feldspar, the base of granite Burnt Island Wohe Island LAKE ONTARIO Snake Island Nine Mile Point False Ducks Point Pleasant

Such are the facts exhibited by Lyell in degrees) would be reached about a mile his address to the British Association . but which, strange to say, our American geologists seem not to have heard of. They can hear the first whisper of anything likely to be antagonistic to the Bible ;-for instance the Abbeville jaw-bone hoax ;but about such discoveries as these, which remove objections to Scripture, they are most industriously silent. The alledged fundamental fact of the modern geological system proves not to be a fact, and the whole process of the earth's formation is the very reverse of that so confidently asserted as science and as contradictory to Scripture. When will vain man cease to be wise in his own conceit? When will self conceited savans cease to abuse the Bible structures, erected in 1859, cost no less a because it does not agree with their silly dreams, and impossible facts and absurd theories? This science of modern geology dates from 1825, and already a writer in the Atlantic Monthly gives us a theory exactly the reverse of this now-exploded notion of a cooling globe; our earth, ac-cording to him, is heating up, getting ready to melt, and to expand into a nebula. It would not be more wonderful than what we have witnessed, if before twenty years, this should become the creed of scientific superstition and should challenge the Church to reconcile Genesis with this new geology. - Scientific superstition is the most Catholic form of credulity .- N.Y. Observer.

they are unable to see that this very spirit heats solely by raising the temperature of try and hydrostatics, and utterly unscien- during the period he has held the position. cost. Nothing but actual experience will tific. One of his lectures on the geological di-visions of the subject, 'The Aqueous For-mation of Granite and Consequent Revolu-tion Caelerr'' was about 10,000 gallons, the contract for Works, Petrolea. The whole contract for

Burlington Range ST. LAWRENCE RIVER. Lachince Canal Lake St. Louis, Light Light Port Delhousie LAKE BRIE

Vess Point Claire Shoal Beanharnois Grosse Point McGee's Point Cherry Island Cherry Island, Light Vessel

Cole's Shoal

Point Peter

Scotch Bonnet

Lindoc Island

Port Burwell Port Stanley Grenadier Island Point Pelee Reef Pelee Island ST. CLAIR BIVER Bois Blane River Thames Thames Ran Light LAKE HURON. Goderich Point Clark Chantry Island Island of Coves. Griffith Island Nottawasagi Island Christian Island Killarney Lights (2) Little Carrent (2)

Port Colborne

Mohawk Isle

Port Maitland

Port Dover

Long Point

do Range Light

Presqu'Isle (3 lights) Gull Ialand Clapperton Island Gibralter Point St. Ignace (supply Oakville Harbour sent by stean Burlington Bay ltngwood)

The Department are about to increase the service by the construction of new Ste. Marie), Byng Inlet, Mitchell's Point Manitoulin Island and Rondeau harbour. We may here mention that six of the light-houses built at different points in the Georgian Bay are of a very costly; though substantial, character, and have been directed with a lavish hand. These six at a cost of about \$10.0 To souander nearly \$36,000 each on six light-houses at absurd waste of the public money. None can deny that these six structures, which are of solid mosonry, with walls five feet thick at the base and three feet at the top are splendid specimens of the peculiar style of architecture, and magnificently appointed ; but then they are not required to be on so grand a scale. However, there they are, and nothing short of an earthquake can stir them, so solidly are tower in their solitary grandeur.

week, has established a strong presumption in his favor."

A SCRIPTURE COINCIDENCE.

Mr Burt, in his book, "The Far East," just published, thus notes a remarkable

Bible illustrations is likely to be disappointed when he finds no 'bulrushes' or reeds,' answering to those spoken of in the history of the infant Moses. No sign of flag, reed, or other aquatic plant appears, either along the Nile or elsewher . Yet there must have been such plants in indeed, never was accepted by Lyell, nor by several other first-class geologists, that granite is not a primary rock, having been Minister of Marine :in the tombs testify to the existence of such plants, the papyrus having been made from the bark of the paper reed. How interesting to the Scripture student to find that the disappearance of these plants were specifically predicted by the Scripture writers. Says the prophet Isaiah : 'The reeds and flags shall wither; the paper reeds by the brooks, by the mouth of the brooks, and everything sown by the brooks shall wither, be driven away, and be no more.'

"But the question comes, why do not aquatic plants now grow in Egypt? Are not the physical conditions now existing in this country the same which have always prevailed? And does the Divine fiat now resist patural laws, for the fulfilment of prophece I answer that aqua-tic plants-which, as Herodotus testifies, were extremely valuable-were reared, in the time of Egypt's prosperity by artificial means-involving the preparation of reservoirs and 'brooks'. Thus, too, by means of 'ponds' and 'slutces,' the fish were multiplied. And the prediction of Isaiah relates to the destruction on the nice arrangements of artificial life on which depended the country's high prosperity And how entirely natural that the bathing place of Pharaoh's daughter light-houses at Sulphur Island (near Sault should be a cultivated garden bordering the Nile, where seclusion could be had."

Liebiew.

THREE "SERMONS ON ERBORS OF PLY-MOUTH BRETHRN," by the Rev. JAS. CARMICHAEL.

Such is the title of a pamphlet just issued from the press, and which we have

Scientific.

AMERICAN.-The Ethnological Society has published, for private distribution, an interesting analytical alphabet for the Central American laguages. This was a paper read before the society by the distinguished ethnologist and traveller, Dr. Hermann Berenat. It presents a remarkable peculiarity. Although not for the purpose, the alphabet answers for the North American languages, and will do so for those of South America. It can also by used for Spanish and Italian; and, if some distincwith the use of long and short vowels, it English.

FACTS ABOUT OUR LIGHT HOUSES.

YEARLY INSPECTION OF THE WESTERN SERVICE.

In a lengthy review of the Western light houses the London Free Press says :-

"Once a year the government sends a steamship to every light, for the purpose of supplying the keeper with the necessary stores of oil, &c. This season the tender

Fisheries, proceeded with the expedition ders sharp turns necessary-turns which as far as Collingwood. Mr. Smith is a New Brunswick gentleman, hailing from nellings and viaducts. St. John's, and has had considerable exthorough disciplinarian, and though an- and must have observed there the clever other government official was on board, but complicated arrangement by which the houses, yet Mr. Smith insisted on landing exceedingly narrow space. It is one of the is something—but because it is not injuri-ous to health, as is the stove. The latter fundamental principles of mechanics, chemis proved by the heads of the Depurtment riage along it at a very great saving of Brethren.

A NEW STEAM CARRIAGE.

The London Telegraph describes a new steam carriage which seems destined to play an important part. The first point which would strike anybody who went to see it (says the Telegraph) was this-that here was a railway carriage capable of carrying 66 passangers (the average freight of railway trains being 35) and careering at the rate of 18 miles an hour round small garden little more than half and acre in extent. of the North Shore Transportation Com- There might have been another carriage to pany, which offered the splendid propeller carry as many more passengers added to "City of London" for the work was ac- the train, and the whole train would have cepted. The oil, which had previously been carried round the sharp curves of the been purchased under contract, was the small garden with perfect ease. Now, delivered at Montreal, and from that port in these days, when we begin to work railthe "City" made her trip, leaving on ways in the heart of our great towns, it is July 14th, and completing her task on important to be able to adjust the wheels 4th, instant. In order to thoroughly of a train so as to turn it on a curve which inform himself on the actual condition of has a radius of only 59 feet nor is it less m theologically. Christian writers have not generally the Ontario light-houses, Wm. Smith Esq. important to attain this object in country places where the nature of the ground ren-

"Nearly all visitors to Paris have been

"In addition to this, by the adjustments of the weights on the different wheels, Mr permanent way of much lighter construc-

read with much pleasure and profits A a part of Lake Huron where there is but great number of books, tracts and articles little mercantile marine seems to be an in the papers have appeared of late, professing to expose the errors of the Plymouth Brethren: but they have generally proved so devoid of ability, that the very mention of a fresh production on the subject has caused many to declare at once they will not even look at it. We would advise none so to speak of the treatise now before us-for it will be found, we they built, and must remain for ages to think, to contain a most complete summary of the prominent doctrines of the would-be so-called sect of " Christians."

It is evident Mr. C. has taken considerable pains with these sermons, for, in a most Christian like menner, using no harsh epithets, he has proved from scripture what are the errors of the Plymouth Brethren. Mr. C. has very wisely not ventured to advance a single doctrine of the Plymouth Brethren without mentioning where such could be found in the writings of their acknowledged leaders. In a most masterly style he has taken up these doctrines, one by one, and shown the entire system, though bearing the semblance of excessive piety, to be extremely perpicious, tending to destroy the time-honoured and blessed tenets of the faith once delivered to the saints.

Mr. C. says he found much difficulty in preparing these sermons, of which the pamphlet before us contains the substance. from the fact that the Plymouth Brethren have no definite creed. For their benefit, but especially to warn those not connected with them-for we really are of opinion that many persons who have joined this "sect" have not the slightest idea what they are expected to believe-he has drawn up one, with which he concludes

The members of our church should feel deeply grateful to Mr. C. for the fearless, able and kind manner in which he has come out to warn them from being led astray from the good old path.

We sincerely hope this pamphlet will find its way into the hands of all our congregations-for we feel assured those who will carefully read it will be content to abide by the teaching of their own faith by our ministers, and shun the possibility of ever being induced to adopt such dangerous errors as are held by the Plymouth