

THAT GOD IN ALL THINGS MAY BE GLORIFIED THROUGH JESUS CHRIST."-Peter

## VOL. XXXV .-- No. 14.

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Mass.

# FREDERICTON, N. B, APRIL 4, 1888.

### WHOLE No. 1780

## Renewals.

We are expecting due. be as prompt as possible. this month.

Our friends can help us very much by renewing at once.

#### ----NOTES AND COMMENTS

A POOR EDITOR.-A western that he was an editor, and could not the business portion of the two rise because the rest of the congregation were owing him their subscriptions.

LAUGHTER.-Somebody suggests that the time may come when the doctors will prescribe laughter

that they will all be renewed, derful transformation that has taken compared with coal, is dependent in a hint of "Lent," or of any periodic how it will be used.

individual arose, who explained blanket the whole valley in which free of charge. cities is located.

> This wonderful change is due wholly to the substitution of where the iron shows great readiness natural gas for the soft coal of this region, as a fuel, both for domestic tained in the fuel. Wherever the to mix with foreign substances conand for manufacturing purposes. Through the courtesy of Messrs. Jones & Laughlin, the senior mem ber of whose firm is chairman of the Republican National Committee, I have been able to make a very thorough inspection of their system of using natural gas in heating their large furnaces, boilers and, in fact, everything else where fire is needed. The works are among the largest here. A single three-inch gas pipe, the valve of which was only about one-eight open, supplied the gas for a large heating furnace; in other words, only about one-eight of the capacity of the pipe was required to furnish the necessary amount of heat. A perfectly steady temperature is maintained, and, by the proper care in regulating the amount of air admitted to the burning gas, very little heat escapes up the chimney. At the same time it is possible to put in a heavier charge and to bring it out in much less time than by the former method, the gain is the output of the furnaces being estimated at not less than fifteen per cent. At the puddling furnaces the feeding pipe is only two inches in diameter, and the valve controlling the flow of gas was only one-sixteenth open. The large boilers for producing steam used in running the machinery are forty-eight inches in diameter and thirty feet long, with six ten inch flues. A boiler of this kind is fed by a two inch gas-pipe, the valve in which was only about one-half open this morning. When the boilers become hot, and the flow of gas has been adjusted they require little further attention, the gas flow be ing steady and continuous. There is no opening nor shutting of doors, no blank spaces on the great bars for the entrance of cold air, no shoveling of coal nor carting away of ashes, and, in fact, nothing for the attendant to do but to keep an eye on the steam guage and regulate the flow of gas as may be desired.

ham of the new world, and it has -of it is hydrogen, the greater arrange a Forty Days' Fast. The attend outside meetings unless by its surface at a distance apart the been justly proud of the title. As caloric qualities of which are well Disciples of our Lord were not permission, gives officers a power exact width of a dime. From the Several hundreds of sub- a place for a comfortable home, known. A given weight of hydro- commanded by him to fast, and few can be entrusted with without receiver the money is dumped on however, it was formerly not to be gen will produce in burning, three they are not reputed in Scripture to danger. With the hostile feeling the board or tray, and as it is shaken scriptions are now over- thought of for a moment. Now, times as much heat as the same have fasted when they could get a cherished against the churches quite rapidly by the counter the pieces presto, all is changed. One utterly weight of carbon. The value of gas dinner; except Paul once. There generally by the officers of the army, settle down into the spaces between fails at first to appreciate the won- in an establishment of this kind, as is not in the New Testament even does not need conjecture to know the ridges. All these spaces being

place here during the last four or part, of course, upon the conditions fasting -Greeks, Mohammedans, and hope the renewals will five years. The sky is no longer under which the two fuels can be Roman Catholics and others lay obscured by clouds of smoke and obtained. It is estimated, however, great stress on fasting at set times. congregation who paid their debts hattan Island as seen from the time, there is a very considerable Church will under no circumstances in the concern. They were not pensed with. to rise. The rising was general. Tribune tower. A few years ago increase in the product of the mills. countenance the laying on the con- whispering around and making gen-

pay their debts, and one solitary overhanging and folding in like a use coal if it were delivered to them ship is ap ropriate enough perhaps responsibilities. They were so on "Good Friday" or "Easter Mon- countryfied that their music was The remarkable purity of the gas day." There may be a local fitness all prepared, and their books, lying is another important feature in its in services on such occasions. All closed, before them. When the

favor, and for this reason it is especi- we claim is that conscience is per- opening anthem has been conpleted, ally valuable in puddling furnaces, fectly free. \_\_Pres. Witness.

-----The Army "Swearing-In."

#### -----The Country Choir.

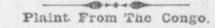
coal soot, and it is not now neces- that there is an average saving by The exercise may prove to some a It was a neat little church in a number is required to fill the spaces. sary to light the street lamps by the use of gas of sixty to seventy- means of grace. Yet we do think rural town, and filled with well-cul- The tray is then emptied into boxes two or three o'clock in the after- five per cent., of which nearly one- it will be hard to find a class of tured people; but the choir was so and the money is ready for shipment. noon. From the heights of Mt. half is represented by the cost of the citizens made better physically or far behind the times, really they did The dime does not pass through the Washington on the western side of fuel and as much more by the cost of spiritually by the material, formal, not seem to know what is expected weigher's hands as does the coin of the Monongahela river I was able labor and materials. There are no ceremonial fastings of Lent. of choirs in these days. There was higher denomination. One and oneto obtain an excellent bird's-eye view ashes to be carted away, no railroad Neither Scripture nor reason gives a double quartette of them and all half grains is allowed for variation yesterday of both Pittsburg and sidings and trestles for moving coal any encouragement to the practice. quitely in their seats, like the rest or "tolerance" in all silver coins Allegheny City and of the hills be- cars, no switching changes, no wear Better leave the conscience free of the worshippers-why, they act- from a dollar down, and the deviayond. The atmosphere was as clear and tear of wagons, carts, etc., nor is from all commandments of men. ed just as if they expected to join in tion from the standard in the case as that of New York, and the large there a small army of employees to Fast when you see cause ; and eat the worship themselves, instead of of ten-cent pieces is so trifling that paper tells that an evangelist of the buildings were as distinctly visible take charge of these adjuncts to the with a thankful heart when you are faithfully doing their work like the trouble and expense of weighing practical sort, requested all in the as those on the lower part of Man- burning of coal, while, at the same hungry. We hope the Presbyterian outside hirelings who had no interest coins of this denomination are dis-

After they had taken their seat, nothing would have been discern- Indeed, it is confidently asserted sciences of her members any "com- eral commotion to get things ready. a call was made for those who didn't ible but a black and smoky cloud that the mills could not afford to mandments of men." Public wor- They did not seem to feel their

> a word from the leader, to which all gave heed, then books closed and all was quiet again, and the choir inflicted upon the natives by the making themselves a part of the gas is used an unusually large quan- Some one having questioned the worshipping people, gave attention

filled, the surplus coin is brushed

back into the receiver, and the counter has exactly 1,250 silver dimes, or \$125 on his tray, which



Referring to the destructive traffic in intoxicants with the native races of Africa, the New York Evangelist says :

"The deputation from the Queen of Amatonga waited upon the Archbishop of Canterbury a few days since and described the harm liquor-traffic. Mr. Grantham, the

Indeed some of them do now try to get patients of a certain class to "laugh and grow fat." Perhaps there is not, says the Scientific American, the remotest corner or little inlet of the minute blood vessels of the body, that does not feel some wavelet from the great convulsions produced by hearty laughter shaking the central man. The blood moves more lively; probably its chemical, electric or vital conditions are distinctly modified. It conveys a different impression to all the organs of the body, as it visits them on that particular mystic journey, when the man is laughing, from what it does at other times. And thus it is that a good laugh lengthens a man's life by conveying a distinct and additional stimulus to the vital forces. The time may come when physicians, attending more closely than they do now to the innumerable subtle influences which the soul exerts upon its tenement of clay, shall prescribe to the torpid patient "so many peals of laughter to be undergone at such and such a time," just as they do that far more objectionable prescription-a bill, or an electric or galvanic shock.

SOLDIERS ON SKATES .- The most curious battalion in an army is probably the Norwegian corps of skaters. They are all picked men, armed with rifles, which they use with great precision. The skates used are admirably adapted for travelling over rough and broken ice and through snow, being six inches broad and between nine and ten inches long The soldiers can be manœuvred upon ice or over the snow fields of the mountains with a rapidity equal to that of the best trained cavalry. As an instance of the speed they attain, it is stated that a messenger attached to the corps has accomplished 120 miles in 181 hours over a mountainous country.

ers used in the manufacture of tablishment of any importance "Having heard from us what are one. The silver ballion is first Advocate says it knows church memwhich new uses coal or anything but the doctrines of the S. A., and what melted and run through immense steel, these works have ninety pudbers who claim to be too poor to pay any thing to the church, or to dling furnaces and seventy-two natural gas for fuel. In fact, it is is required of a Salvation soldier, if rollers and flattened out to the boilers. The employees number impossible for concerns using coal you are willing to be true to these thickness of the coin. These silver give to missions, or to help the poor, but who can always get to the nearly 5,000, and the production of to compete successfully with those teachings and rules-Fix bayonets! strips are then passed through a the work for a recent month, taken using gas. Conservative estimates Fire a volley ! machine which cuts them into propicnic, and never miss the oyster at random to indicate the output, made by experts give the amount "He shall then deliver the charge per size for the press. the strips first supper. consisted of puddled iron, 5,900 of coal that is now being displaced and swear in the soldiers under the having been treated with a kind of tons; iron heated in ordinary and in Pittsburg and Allegheny City colors, handing to each one a copy tallow to prevent their being scratch PASTORLESS. - The Lewiston Jou r for spells of running well for a nal has been collecting statistics of Siemens furnaces, 13,000 tons, and alone by the use of natural gas at of these rules." ed in their passage through the while," and then a season of goodthe pastorless churches in the state steel production, 7,300 tons. Of Our readers now have the publish- cutters. The silver pieces are then over 4,500,000 tons annually, and for-nothingness. Keep even and of Maine. From facts gathered it course all this metal was also re- if account be taken of the surround- ed instructions of the Army before put into the feeder of the printing on.—Highway. appears that the Methodists have duced to bars, plates etc., the steam ing district, the quantity is much them, so far as they bear upon the presses, and are fed to the die by statements made in our editorial. automatic machinery at the rate of A FLAGRANT SIN. 279 churches with pastors and 38 to run the heavy machinery being larger.-N. Y. Tribune. without ; the Baptists 121 with and produced in the boilers mentioned. The reckless handling of reputa-The swearing consists of a solemn 100 per minute, 48,000 dimes being affirmation, with the right hand turned out in a regular working tion is one of the flagrant sins of 98 without; the Free Baptists. 159 Before the introduction of gas the raised toward heaven. Major day of eight hours, As the smooth our times. It is worse to break Lent. works consumed over 300,000 tons with and 81 without ; the Congregadown a man's reputation than to Lent is now over. But what is Margetts also explains that the di- pieces are pressed between the of coal yearly; the whole establishtionalists, 156 with and 76 withburn his house. One of the most out; the Universalists, 35 with and ment is now fed by a single gas-Lent? It is a period of 40 days, rect object of the pledge to refrain ponderous printing dies, they receive 56 without; the Catholies, 48 with pipe twenty inches in diameter, when according to some, you must from attending other meetings than the lettered and figured impression damnable things of which any the pressure in which is only about not eat meat on any day except those of their corps is to secure the in a manner similar to that of a human being can be guilty is that and 8 without; the Christians, 43 of unrighteously blackening the one pound to the the square inch. Sunday and you must not eat eggs soldiers' faithful attendence at their paper pressed upon a form of type with and 12 without ; the Episcopal, good name of another -Michigan The pressure in the pipes, while except at certain times, and you are own meetings, rather than to pre- at the same time the piece is ex-19 with and 8 without ; the Advensubject to control, varies somewhat to keep clear of dripping and lard, clude their attendance elsewhere. panded in a slight degree, and the Advocate. tists, 15 with and 16 without; the In the esteem of all true men a small corrugations are cut into its "Sweet Home." at aifferent times, but never, of and confine yourself to fish as much union churches, 15 open and 17 late greatly exceeds that mention- as you can. It is right to fast on A visitor to a jail was greatly afsolemn affirmation, as described rim. The machine drops the comclosed; the Unitarian, 15 open and 3 closed; the Quaker, 8 open and ed, and the entire works have been proper occasions as an acknowledge- above, is as binding as an oath, and pleted coin into the receiver, and it fected on hearing one of the prisonrun on a pressure of only three ment of our offences before God and we have heard of instances where is ready for the counter's hands. ers humming to himself the air of 4 closed. our humiliation in His presence. this solemn promise to abide in the The instrument used by the counter "Home Sweet Home ;" but his symounces to the square inch. The wonderful heat-producing God appointed no set fast days. army has troubled very much those is not a complicated machine by pathy was chilled when he was told

customers to its list last year. There and the articles of war of the S. A. even stopped on Sunday. The pro-In addition to the heating furnaces cess of dime making is an interesting referred to and the Siemens heat-Too MANY SUCH .- The Indiana is not a single manufacturing es- | He shall then say :

more apparent.

burgh's oldest industry, and the an-The natural gas is peculiarly well ence:"

way. Both window glass and plate | the S. A."

or better than those obtained from a soldier on the roll, he must con- as not to know that that was just Europe; this is especially true of sider and publicly assent to the fol- the time for the morning paper, or plate glass, and as a consequence, lowing articles of war :" the demand exceeds the supply. No. 2. "Believing solemnly that open and rustle and gossip and

the cost of the gas. admitted at the bottom of the grate first obtained the consent of my capwhich enters the house, and it dis- so.' tributes itself through the open stone work. The heat is intense. of which we have quoted above, the The convenience to housekeepers in | following directions are given : be apparent.

of which natural gas is the only above quoted.

tity of air is required, as compared correctness of the statement, which to whatever was the order. They with manufactured gas, to insure has been going the round of the did not seem to know that was the perfect combustion, and there is no papers, that members of the Salva- time for general gossip, nor to doubt but that great improvements tion Army were required to be realize how like unsophisticated in the construction of furnaces and sworn in, and that among other children they appeared paying other heating apparatus will be things they were sworn not to at- grave attention to what was going made as the facilities for preserving tend any other than Army meetings on in the other end of the church. the gas are increased and the im- without permission of the officers in How much more business-like it portance of not wasting it becomes charge, the Messenger and Visitor would have been for them to have publishes the rules which bear on had their heads in a huddle filling

nual product of its glass factories is is entered on the roll, his experience agreeing how each should render placed at \$10,000,000 in value. and conversation must give evid- his part. Innocents that they were

produced is superior in every res- obey the orders of his superior so they could join in the worshippect to that manufactured in the old officers in all matters relating to the goody-goodies! And when

Manufacturers attribute their suc- the S. A. has been created by God, giggle over. Nor even did any of cess directly to the use of natural and is sustained and directed by them get away into a corner with gas. Not only is the glass better, Him, and that its doctrines are such his novel, nor any two with a pocket but it is more economically made as I fully believe and endorse, I do chess-board. Not even the organist than by the use of coal for fuel the here declare my full determination, went out to a neighboring saloon saving it is claimed being equal to by God's help, to be a true soldier to while the half-hour away, nor did of the army till I die."

At the close of these articles, two the times. - N: Y. Evangelist.

starting and maintaining fires must | "All soldiers must be sworn in publicly by the Divisional Officer, The population of Pittsburg, in- the officer in charge of the corps hav eluding Allegheny City, is over 200,- ing previously, at the soldiers' roll 000. The number of houses is esti- | call, read and explained the doctrines mated at 50,000, in about one-half | and articles of war," including those

constantly increasing. One gas to the front those who are to be en- on this coin. The demand is so fishery is being overdone, and stringcompany alone added over 3,000 rolled, and read publicly the articles great that these machines are not ent measures are to be taken to save

power of this gas is due chiefly to the The Jews by their "improvements" who wished to leave Gen. Booth's any means, as one might suppose. that the man had been imprisoned

Glass making is said to be Pitts- the question. They are as follows : the room with whisperings, fixing "Before the name of any person up the next piece of music and they had arranged all that in adadapted for this work, and the glass Sect. 4. "That he is willing to vance, as the minister his sermon, the opening hymns were all out of glass are made of a quality equal to "Before any person is entered as the way, they were so uncultured the illustrated weekly for them to

the two lovers go and sit in the In the use of gas for cooking and No. 10. "I do hereby declare shade of the trees. They just sat heating dwelling-houses the only that I will always obey the lawful there, entering into the service in modification of the old range and orders of my officers, and that I will all its parts, and giving so close open grate, built for burning coal, carry out to the utmost of my power attention, that when the minister consists in filling up the old fire all the regulations of the army, and said please omit the 2nd stanza, boxes with broken stone, brick or that I will not attend any meeting they did not fail to hear it, and go other similar material. The gas is outside of my corps without having on singing the 2nd while the congre- shall be mulct in the sum of one hungation sang the 3rd. It was a most through an extension of the pipe tain or other officer in charge to do astonishing that any parish, however rural should be so far behind

> ----How Dimes Are Made And Counted.

The United States mint at San Francisco is said to be the largest institution of the kind in the world. Just at the present time there is a

ueen's adviser, who was one of the speakers, described the degradation into which his most intelligent race. of Kaffies had fallen until the native queen had forbidden the sale of liquor by her own subjects. Fathers, he said, were constantly pledging their daughters on security for debts for liquor.

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"Thetrade was now almost entirey in the hands of the Portugueseand the queen wanted to know whether the English like the Portuguese were desirous of destroying them with their poison. She feared such was the case, one of her Indunas having recently been killed by drinking spirits given him by an Englishman. The archbishop assured the deputation of the sympathy of all in England who had the welfare of the native races at heart with the efforts now being made by the Queen of Amatonga and her people to rid themselves of the dangers, moral, and physical, which threatened them through the unchecked liquor-traffic."

----LEAP YEAR. - The leap year privilege is said to be six hundred and sixty years old, having been established in 1228 by an act of the Scottish Parliament, in these words; "During the reign of her blessed Majesty, Margare', every maiden lady of both high and low degree shall have liberty to speak to the man she likes. If he refuses to take her to be his wife, he dred pounds or less, as his estate may be, except and always if he can make it appear that he is betrothed to another woman, then he shall be free."

-----LOBSTERS .- The total exportation of canned lobsters from Canada to Great Britain in 1886 was 7,698,023 pounds, and Canada's total export of lobsters 14,096,572 pounds. Next to Great Britain comes the United States, and France is third in the same line. The total value of exported lobsters is lively demand for silver dimes, and \$5,000,000. An inquiry was instituttwo of the money presses have been | ed by the Dominion Government, and fuel now used and the number is "The Divisional Officer must call for some time running exclusively the Commission has reported that the the industry from destruction.

Among Exchanges.

Can't you join the "Do" Society. You have belonged to the "I Wish." "I Expect," or "I Hope to," or "Like to," brigade long enough. It is a great blessing to belong to the "Do-Some-things." Look out

The Great Rival of Coal.

The city of Pittsburg Penn. has fact that a very large percentage— upon the law of God used to fast organization for that of Christ. The It is a simple copper-colored tray, for cruelly beating his wife.—N. T. long been known as the Birming- in some cases nearly ninety per cent. twice a week, but even they did not pledge to obey the officers, and not having raised ridges running across Ledger.