LIGHTS AND SHADOWS!

LIFE PICTURE.

Great Floods in Scotland.

From the Scotsman, Nov. 16.

The heavy rains of Tuesday and yesterday have swollen the rivers, especially those in the central districts of the country, to a great extent. Much damage has been done in Fifeshire and along the coasts of the Tees and the Isle in Perthshire, where houses have been inundated, fields placed under cultivated bridges swept away by the flood. No loss of life, however, is reported. The weather has now assumed a more settled appearance, but along the coast a heavy sea is still running, and several additional disasters to shipping are reported. Another vessel, a Norwegian bark, has been lost in the vicinity of Berwick, and the crew, consisting of nine men, have been drowned.

The accident on the Scottish Central Railway, briefly reported yesterday, turns out to have been much more serious than was supposed. By the flooding of the Dunning, a tributary of the Earn, a bridge was so weakened that a goods train, consisting of 20 wagons of which fell into the bed of the stream. A portion of the engine also washed away, and generally an amount of damage done which has caused a serious obstruction of through traffic.

Polar Illusions.

A Proctor in the London Echo.

Captain Hall's "President's Land" has shown a couple of the mentioned discovered in the polar regions by Captain Wilkes, and Captain Ross sailed in 1842. Not to be surprised, he adds, "that Captain Wilkes either, but that Captain Wilkes either, but that the officers in those regions. In the latter case the vision is easily deceived. The land seemed supposed to have been Hall and the ice-bound shift. Wilkes have been sent by Wilkes may have been clouds or real signs of land at a much greater distance supposed. For atmospheric refraction so perfectly constituted in as to bring into view objects quality far beyond the ordinary course. Scarcely recognized by ship at a distance of more than 4 or 5 miles, when rather ordinary refraction would have been behindhand. The image of the ship was inverted; but inverted images of a not line would not be easily distinguished from erect images. The discoveries just above the sea distances exceeding one hundred miles. Invisible atmospheric conditions.

Poetry Might Beetlem High.

Allen's Indian Mat.

Although the Hamah of Lahore sent the mutiny Nana Pugeel pony, which is a good Indian idea, to the young Prince of Portugal, the pony is a portrait of a well bred pony, and is valued by the natives.

The church man is most certain to keep his pew.

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Flowers that Fructify.

CARE OF HOUSE PLANTS IN WINTER.

The *Gardener's Monthly* some time ago called attention to the amount of a lady, who filled her flower-pots to the brim and then covered the earth in the centre. In subjecting to this it says, this plan will not prove political gardeners, nor ought it to do so. They will get along better in the old way. But an extended experience with widely contrasting modes of that the pot should consist always full from top much better than too little water, and we have ourselves, that there is virtue in the full pot plan. It is almost impossible to over-water a pot when it is packed quite full of earth. Sewers must of course be kept under window plants, in order to guard the carpets from water. But the water must not be allowed to stand in the saucers; when it has all passed through the pot, the saucers should be emptied. Hanging baskets, on the other hand, are generally too dry. Besides the daily watering, about once a week they should be immersed in a bucket of water. Window plants should not be kept very warm in this weather. They should have all the sun and air, and as little of the artificial heat of the room as possible. These remarks apply especially to calceolaria, which is very impatient of heat, although any other plants, such as most, are excellent window plants in the respect, on the day air does not effect them. To keep the air about they plants moist, is one of the secrets of window-culture. Some people who have very fine windows well stocked with fine plants, make glazed cases with folding doors in them, by which, when the room is highly heated and very dry, they can be induced to an atmosphere of their own. In such cases, ferns and mosses can be grown to perfection, and parlour plants in hanging vases give a Brazilian forest appearance to our happy Christmas homes.

REMEMBER THE POWER.

All domestic animals, derived as they are from wild ancestors, require a certain amount of exercise to keep them in sound and vigorous health. Poultry cannot be kept in large numbers in confined areas without detriment to their constitution. Colonel Tait, of Pennsylvania, provides food and exercise for his fowls in the same time. There are in his poultry yard several beds, about thirty feet square each, in which Colonel Tait's fowls pick, scratch and roll in the dust. The grain beds of course at once to swell and gormandize, and the fowls have free access, scratching and eating the healthy growth to their hearts' content. While the fowls are here busy on one bed, a new one is prepared, which is in readiness for them by the time it is required.

RIGHT TO PERMITS POWER.

Among the many devices for keeping better in a manner that will preserve the fresh, crisp flavor of the meat, with all its greatness, is the following, from Dorkem Farmer, which is said to be entirely successful:—

To three gallons of brine, strong enough to bear an egg, add a quarter of a pound of saltpetre. Pell the brine, and when it is cold, strain carefully. Make your hams into rolls, and wrap each separately in a cloth, white muslin cloth, tied with a string. Put a large jar full, weight the hams down, and pour over it the brine until all is submerged. This will keep really good better perfectly sweet and fresh for a whole year. In cutting out it is not open too better that you wish to keep for any length of time. In Summer, when the heat will not admit of meat being kept open, and, using the same brine, after it is cover the better to the depth of at least four inches. This catches the air, and recovers as well as the first method suggested.

Photography in a Coal Mine.

From the Birmingham Post.

We have to record a novel and most interesting application of this most useful art. A few days ago, we believe for the first time, an experiment was successfully made for the purpose of obtaining an accurate picture of some underground workings in a coal mine, the process being effected by means of the oxy-hydrogen light, generally known as the lime light, in combination with magnesium ribbon in combination. The scene of the experiment was the Rushall Colliery, Rushall, near Walsall, where, a few days ago, Mr. Frederick Brown, of Walsall, accompanied by Mr. Chilling, representing the firm of Messrs. Dupont & Co., exhibitors of that name, attended at the mine for the purpose of obtaining representations of certain portions of the underground workings to illustrate (in question) a Litigation pending which is technical to a litigation regarding that colliery, and having made some preliminary experiments with magnesium light came to the conclusion that photography would be perfectly practicable under conditions which could be set together. Upon the following day Mr. Brown, attended by some of the principals of the mine and the litigation, successfully obtained pictures of the portions of the mine indicated by Mr. Chilling. The photographs, as finished, are not only in themselves valuable for the purposes of evidence for which they were secured, but, when viewed in the stereoscope, form perfectly accurate delineations of the place from which they were taken, and, indeed, without an explanation that they had been taken altogether by artificial light, the ordinary observer would suppose there to have been sunlight in the place, and that it had shone under the action of the sun in the ordinary way. The process compiled for each picture from twenty-five minutes to half an hour, while the sensitive plate was under the action of the light. One of the principal technical difficulties which Mr. Brown had to encounter in the chemical portion of the process was that the ordinary wet plate, although as much more rapid in its action, would not retain its moisture for the lengthened time of exposure required necessary under the altered conditions of light and the well known increased temperature in mines; but this difficulty was after repeated experiment, admirably overcome by a chemical formula which Mr. Brown was fortunately able to devise to meet the special emergency. The difficulties of focusing arising from cramped position in the mine were, of course, merely mechanical, but occasioned much time to overcome. The result appears important in many ways, as suggesting in future the possibility as well as the propriety of photographing the interior of mines after accidents, and in the course of litigations and the like, for the edification of those who have not had the opportunity of visiting the spots, and yet might have to decide questions respecting them. The possibility also of introducing a powerful and steady light completely under control, which may be led from the surface by means of flexible tubing, and which would enable a light rivaling that of day to be cast into dangerous places from a convenient and safe distance, appears to us to open a pathway to very important practical applications.

☞ It is stated that Captain Nares has been offered a K. C. B.

☞ Pabst made £2,200 by four concerts in the French Provinces.

Montreal Advertisements.

THE Cook's Friend! BAKING POWDER. LEADS THE MARKET!

Every genuine packet has the Trade Mark on it as at the head of this.

All Respectable Grocers Sell It!

Manufactured only by W. D. McLAREN, 23 and 27 College Street, Montreal.

Liberal terms to the Wholesale trade. 6cd52.40

FOR THE LAST EIGHTEEN years this mark has been known throughout Canada as the BEST cut to smoke. TRADE MARK.

W. C. McDONALD MANUFACTURER OF FINE CUT TOBACCOS MONTREAL

MACHINERY.

Wanted, to Waking, Leatherset Rubber, Hose, Belting and Packing, Rubber Boots and Shoes, Gutta Percha Goods.

BROTHERHOOD'S PATENT 2 CYLINDER ENGINE,

which may be seen and a full description be brought, the only equal one in Canada, Power Pumps, Lathes, &c. &c. made to order. Call and see them when in town.

GEO. BROTHERHOOD, Wellington street, Ottawa.

GOOD NEWS FOR 1877!

MANY HOMES MADE HAPPY!

The Proprietors of the FREE PRESS have much pleasure in announcing their

Popular Weekly Newspaper FOR 1877.

Entering upon the Twenty-First Year of Publication, the FREE PRESS has never been so highly estimated or more generally circulated in the West than now.

The chief aim of its conductors is to furnish to the Canadian Public a Reliable and Trustworthy Weekly Companion, replete with information and good cheer, made additionally interesting by the introduction of a superior class of literary matter.

The principal departments into which the paper is divided are, first,

THE TELEGRAPHIC DEPARTMENT.

This contains full despatches concerning events which transpire in every part of Canada, and also in the Adjacent United States, or at the Atlantic, Cable Reports, Ocean Steamer arrivals, with Liverpool, Colonial and Adelaide information from single cases. Just now the attention from the start of War has opened by full and interesting. The presentation is dispatched this editorial is careful on up to the hour of going to press, placing the Canadian reader, in his comfortable home, in close affinity with events as they transpire in every part of the world.

FARM AND FIRESIDE DEPARTMENT

Possesses much by each number of vital importance to the farmer, and generally, forming a fund of information and general usefulness to the household, and general handiness, together with notes and hints on household economy, not to be found elsewhere.

THE LITERARY DEPARTMENT

Comprises the publication of at least Five Hundred Novels in the course of the year, any one of which is worth more than the entire price of subscription. In addition there is given many thousands of miscellaneous extracts suitable to the old and young, dealing with matters with which all should be acquainted.

THE COMMERCIAL DEPARTMENT.

Is a leading feature. It is not confined to dry enumeration of market rates, but is finished with such judgment and care as to keep the course of trade, manufactures and business in a ready form. The United States, England and other leading markets.

At the same time the latest quotations (by telegraph, very latest of the week) of Toronto, Montreal, Ottawa, Kingston, Toronto, Hamilton, and the leading Canadian markets are given, thus informing the farmer and general reader not only of what is going on at the moment, but enabling them to anticipate events for the ensuing week. The Commercial Department has been the means of giving many hundreds of dollars to persons who have consulted it. It is an to make the most of that which they have to sell.

THE POLITICAL DEPARTMENT

Is one of sterling merit. As is well known, the Free Press is a journal of pronounced Liberal-Conservative principles, but, notwithstanding its political leanings, it gives FACTS PLAIN TO ALL. The Editorial Pen is not devoted to political issues alone. Every week is work they term with articles of a useful kind, and every information of the great variety of topics interesting to the Canadian reader. The tone adopted is an liberal one, and the many thousands that read our paper join in the testimony that it is pursued with a sense of satisfaction, on account of its moral worth, merely to be met with in the contemporary press of our country.

CORRESPONDENCE DEPARTMENT.

Special correspondence is received from Parts of the Dominion, and from the Cities in different places the industry, social and political life of people in them. This feature has been much improved, and will be continued and improved upon.

REPORTING DEPARTMENT.

Detailed and labelled reports of Parliamentary proceedings are given, and during the coming session valuable notes from the pen of able correspondents in the seat of Government will add not to them. Our readers are also supplied with accounts of parts, not only of Public Meetings, but of County and Township proceedings, and of those in a political nature that are of interest. The recent trials of the trade-lying agitation, at which Mr. Blake, M.P., and Mr. Mackenzie, M.P., spoke, have been published in full, and the Editorial Department has been enriched by the presence of light and amusing.

LOCAL INTELLIGENCE DEPARTMENT.

The local intelligence is tolled down, so as to suit the tastes of readers, occupying the necessary information, without wasting their time in useless verbiage. The department is made to include Joyce Intelligence, in which much care is bestowed, and cases of more than ordinary interest are brought out in necessary detail and effect by experienced reporters.

IMPROVEMENTS DURING THE YEAR.

It is our intention to use, in the course of a few weeks, an entirely new type dress for our paper, which will make it remarkably clear and legible to the reader, particularly for which the Free Press has been long renowned. New Ms and type will be brought into all departments, and a means left unpriced to give more effect to the news department.

As a whole the WEEKLY FREE PRESS acts as a

MAGAZINE OF INFORMATION!
A BOND OF FAMILY UNION!!
AND AS A GENERAL INSTRUCTOR!!

Such as can claim equally comparison with any other publication of its class, no matter where it is issued or what production it may put forth.

The Subscription Price is $1.40 a year only. No extra charge can made upon the value of last year.

In addition to the Superior Attractions which the proprietors have in store for their patrons, they are informed by the SATISFACTORY PERIODICAL which has been established there is issue a

MAGNIFICENT WAR PICTURE!

20 x 30, to their subscribers for 1877-78. This is a beautiful production 37 x 27 the celebrated French painter Leonce Verner, called

THE DYING TRUMPETER!

The subject of which, painted for the Emperor Napoleon, is a description of an incident of the war. The Trumpeter has been wounded, his horse has fallen, and he is lying stretched upon the ground. His comrades are passing on the field, while one is supporting the head of the dying hero. In the distance the battle is depicted going on. The chief portion of the picture is beautifully white, which is supposed to depicting certainly, throughout over the body of his prostrate form. The picture has the merit of telling its own touching tale, more so a glance, and is quite worth from one of the best of the artist's work. The price of the picture is extremely reasonable only in fact it has been held that the "value extend the friend of man," has never been better portrayed.

The report of the year is conceded to be such that the coming year is likely to be equal by the

MOST STARTLING EVENTS!

England, and indeed the whole of Europe, appears to be on the brink of a

GREAT WAR!

Should such an unfortunate event occur, the subscribers of the Weekly Free Press will be supplied with full, early and exclusive information of events of such a nature, the whole results of which it is impossible to foresee or estimate the gravity of. In view of this contingency, it is our design to add to the Free Press, which will supply the best and earliest information based on events of great importance and deep interest.

☞ New subscribers have the option of receiving as a

FREE GIFT:

the illustrated prospectus of

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which was issued last year, and is still in demand, and is very popular. And as an early issue of the Free Press will be made at once, all every old subscriber through to the 1st of January, 1878.

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Are showing this season one of the largest Stocks of Dress Goods to be found in the Dominion. They all the Leading Novelties in

Camel's Hair Cloths,
Plume Spuns and Tweed Mixtures,
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Striped & Checked Dress Goods, &c., &c.

TRY AND LEARN WHO HAS THE MOST

Complete Assortment of Dress Trimmings

TO BE FOUND ANYWHERE IN

SILK, WOOL & MOHAIR FRINGES,

ALL KINDS OF

Braid Trimmings, Buttons, Cords and Tassels, Fur Trimmings,

COLORED VELVETEENS, &C.

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PRIDDIS BROTHERS,

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Young Men should secure a Circular of this College before going elsewhere.

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EVERY SCALE WARRANTED!

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Children's Wearing Apparel

Children's Pelisses,
Children's Cloaks,
Children's Frocks,
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☞ INSPECT OUR STOCK.

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Nov. 1, 1876. Dec. 31

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30,000 Linen Bags,
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The Thalberg Piano.

THE GENERAL FAVOR WITH which the Thalberg Piano has been received shows that there was a want to supply, and that a good, sound instrument, at a low cash price, was needed by a large class of the community.

The special points of advantage of this instrument are to

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For the general success of THE Thalberg Piano is still offered at the cash price of

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with the aim of its Proprietors is increased to EVERY AND GENERAL GETATES, and the agents, Treble has been added, making, without question, for the price, the most attractive and

Best Value Instrument in the World!

In any part of the Dominion where Special Agents are not appointed, Second Hand Pianos taken in exchange for a time allowed for the Thalberg Piano, but, to prevent any disappointment, parties wishing a Piano may remit by bank draft, or by express, to the Wholesale Agent at Toronto, or to the agent, who will forward by regular conveyance to any address. Piano ordered by early mail to be in stock.

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London, Sept. 14, 1876. 6-cm

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