CANADA.

A acay car and boat service was com menced in Hamilton, Ont., last Sunday.

The iurors at Three Rivers have found J. R. Hooper guilty of attempting to drown

A new post-office has been opened at Port Whitby, South Ontario, and another at Dudley, in East Simcoe.

Robert Loaney, aged 21, was drowned while bathing in the mill pond at Elora on Friday evening. His home was at Riverview.

The Bench and Bar of Quebec entertained Sir Lonis Napoleon Casault, Chief Jus-Quebec.

A 10-year-old boy named Larocque, of Lachute, Oue., bought some tobacco a few days ago and began to chew it. He swal-

lowed some juice and it killed him. Miss M. D. Allen, graduate and medallist of Queen's University, has been appointed to the position of science teacher in the Ladies' Presbyterian College, Halifax, N.S.

The City Council of Toronto, at its meeting Monday, voted five thousand dollars towards the expenses of the British Association, which is expected to visit the city in 1897.

A large deputation waited upon the Government in Ottawa to urge that a grant of a quater of a million dollars be made for the proposed interprovincial bridge between Ottawa and Hull.

Mr. W. W. Ogilvie, of Montreal, received a telegram from his Winnipeg office stating that the crops are now looking well, being in advance of this time last year. The wheat is better than in any previous season.

Latest advice from different points state that the Fraser river has receded fully six feet from the high water mark at all points between Popcum and Langley, and the ploughing and seeding of lands covered by water a short time ago has commenced

John Reginald Hooper was sentenced on Monday at Three Rivers, Que., to twentyfive years in the penitentiary for attempting to murder his wife at Louiseville. Beforesentence was passed on him Hooper speke for three hours, claiming that the

A large deputation waited upon Sir John Thompson, Sir Frank Smith, and Mr. Angers in Ottawa, and requested a Government grant of not less than five thousand dollars towards the Toronto Industrial was very favorably received.

The convocation of Toronto University yesterday conferred the honorary degree of LL. D. on his Excellency Lord Aberdeen, his Honor Lieutenant-Governor Kirkpatrick, Hon. G. W. Ross, Minister of Eudcation, Vice-Chancellor Mulock, Q. C., M. P., President Loudon, of the University, and Rev. Dr. F. L. Patton, president of Princeton University, N. J.

In addition to the \$500 voted by the City Council, the citizens of London have contributed \$879,90 for the Fraser River flood sufferers. Finance Minister Turner, of British Columbia, has wired the Government's thanks, but says the reports sent out have been greatly exaggerated. Hon. Mr. Turner fears the effects will be worse felt towards fall.

GREAT BRITAIN.

of England.

Mr. Gladstone has declined an invitation international conference. to visit the United States owing to his advanced age.

The Countess of Aberdeen is making a tour of Ulster, in behalf of Irish home scheme for Australian unity. industries.

The Anglo-American Lodge of Freemasons at its meeting in London on Tuesday night,

installed Mr. Reynolds master. Mr. James G. Huddart, the steamship promoter, arrived in New York on Satur-

day from England on his way to Ottawa. The University of Cambridge will shortly confer upon Capt. Mahan, of the United States cruiser Chicago, the degree of L. L. D.

It is announced that Sir William Harcourt will retire from the Commons at the close of the present session, and then be elevated to the House of Lords.

In the Imperial House of Commons on Tuesday Mr. John Morley, the Irish Secretary, stated that the feeling in Ireland is William. healthier now than it has been for a gener-

ation past. In the House of Commons on Friday the Secretary to the Admiralty said that the reason certain supplies had been purchased abroad was because they could be obtained | defeat of the Arabs. cheaper than at home.

Lord Chief Justice Coleridge died on Thursday. He was educated at Eton and Baliol College, Oxford. He was appointed Lord Chief Justice of England in 1880. He was seventy-three years of age.

A meeting of ladies was held in London on Monday with the Duke of Westminster presiding, and a committee was formed to couduct a campaign against the disestab-

lishment of the Church of Wales. At the conclusion on Thursday of a shamfight at Aldershot, the Duke of Cambridge sharply criticised the blunders made by the artillery and the cavalry, declaring he had never seen such idiotic tactics.

The Senate and House of Cambridge University on Tuesday performed the ceremony of conferring the degree of LL. D. on Capt. Alfred T. Mahan, commander of the United States cruiser Chicago.

It is reported that the reply of the people of Ireland to the appeal for funds to support the Irish parliamentary party has exceeded all expectations. It is believed the subscribed amount will reach ninety thousand dollars.

The Pall Mall Gazette, in an article of Friday on the proposed federation of the Australian colonies, points out that a diffi-Victoria and the free trade principles which resignation. dominate New South Wales.

In Leeds Wednesday two thousand delegates were present to consider the resolutions against the House of Lords. There was a decided feeling in favor of curtailing 000,000. or akalishing the veto power at present possessed by the Upper House.

announced that the labor associations expected to add thirty representatives of labor to the membership of the House of Commons at the coming elections.

At a meeting of the directors of the Manchester ship canal, held on Friday, it was resolved to make an application to the Manchester Council for the sum of five hundred thousand pounds to assist in the completion of the final work on the canal

Sir George Grey, ex-Governor of New Zealand, speaking at the National Liberal Club, advocated a large extension of the system of local government in every portion of the Empire. Sir George said he believed actually see, however, is not the ray of that very little would be required to make the United States and Great Britain absolutely one people for common objects.

Dr. Percival, master of Rugby, preached tice, to a dinner in the Chateau Frontenac, in Westminster on Sunday night, and, referring to Lord Rosebery's horse-racing or general interest; as a matter of fact, nearly a quarter of a million particles; on predilections, said that when an English nobleman patronized the turf, with its weedy growth of dishonesty and degradation, simply to gratify a feeling for excitement, and did not make an effort to reform it, he was to be condemned.

Mr. G. E. Wade, an eminent sculptor of London, Eng., has been awarded the contract for a monument in memory of Sir John A. Macdonald. It will consist of a figure of the late statesman, twelve feet high, in his robes of office, on a pedestal twelve or fifteen feet high. It will be unveiled with military honors on the first of October.

UNITED STATES.

The Indiana miners, in convention at Terre Haute, decided to reject the terms of the compromise and remain out until they can work for 70 cents a ton.

The House Committee on Labor in Washington is making an effort to compile statistics regarding convict labor and the effect of labor-saving machinery on the workingman.

Rev. James Johnson and a quartette choir went to the Tombs prison in New York on Sunday and conducted service for the benefit of Mr, Wiman, who was deeply affected There would be nothing to subdue this by their presence.

of the United States to Austria, and later to Germany, died at his home at Tea Neck, N.J., Saturday morning at 2 o'clock. His be similar to that which we observe ailment originated from typhoid fever.

witnesses and jury were prejudiced against | cil, who refused an application for a rightof way, President Wilson, of the Street Railway Company, has announced that hereafter no Canadians will be employed by we enjoy our soft, uniformly diffused daythe company.

commercial bodies appeared on Thursday Exhibition for 1895, which it is proposed | before the House Committee on Foreign to hold as a Dominion Fair. The request Affairs to oppose the Retaliation bill, which scape. will make it the duty of the President to suspend the transportation of goods across the dust makes the whole vault of heaven the United States in bond in case of discrimination against American shipping on the Canadian border canals.

GENERAL.

The Czar has appointed a Court of Honor to regulate duelling in the army.

The political situation in Peru is complicated and a revolutionary outbreak is feared | are borne by the air current into every straat Lima.

Fifty-one additional deaths from the plague, including that of a British soldier were reported at Hong Kong on Saturday

Premier Crispi has received eighteen thousand messages congratulating him upon his escape on Saturday from assassi- though all microscopically small, vary

It is stated that King Leopold of Belgium Bullion continues to flow into the Bank is perfectly willing to submit the dispute over the Anglo-Belgian agreement to an

Sir George R. Dibbs, the Premier and Colonial Secretary of New South Wales, has submitted to the Premier of Victoria a

The Deutsche Bank, of Berlin, has obtained a contract to supply the Government of Roumania with silver coins to the amount of fifteen million dollars.

The Comte de Paris, the eldest son of the Duc d'Orleans, is betrothed to Princess Henrietta, daughter of the Count of Flanders brother of King Leopold of Belgium.

Owing to the floods in Austria, railway traffic is seriously impeded, and in many places the passengers are conveyed to the trains in boats. There has been some loss

The foundation stone of the new Protestant cathedral which is to replace the old Dom church at Berlin was laid on Sunday with imposing ceremonies by Emperor

A newspaper of Brussels announces that the Danish have captured Raschid, ex-Governor of Stanley Falls, and Rumaliza, the Arab chief, who fled after the recent

sire for a union of the Christian Churches, making a strong appeal to the Protestant denominations.

of ladies belonging to the Association for the Assistance of Poor Churches, among the number being the Misses O'Connell, descendants of Daniel O'Connell.

There are suspicious craft in the Behring Sea, flying the flags of Germany and Norway, and orders have been issued to the United States fleet to arrest them if they attempt to catch seals. This may lead particles. to international trouble.

The Spanish warship which was sent with a Treasury official to Mazagan in order to receive the first instalment of the war indemnity which Morocca agreed to pay to Spain, has returned to Tangier, having been unable to obtain any of the money

promised. charges the English Government with du- of steam from a kettle, and you will find plicity, and has informed Sir Edward Malet, it transparent, and, therefore, invisible. the British Ambassador at Berlin, that Not a trace of the cloudy appearance we England will have to thank herself if hence- associate with steam. The only thing

The spring and autumn maneuvers of

100,000 bicycle riders in Chicago. In the drops. At a congress of labor electoral associa- neighborhood of every large office building tions held at Brantford Wednesday, it was there is a stable for the silent steeds.

AN IMPORTANT FACTOR IN MOST ATMOSPHERIC PHENOMENA.

Without It There Would be No Fog. No Clouds, No Rain, No Snow, No Bril-Hant Sunsets, and No Cerulean Sky.

When a ray of sunlight falls through an aperture into a darkened room it is rendered visible as far as it extends. What we light, but the particles of floating dust rendered visible by it. It might appear at first glance, that the part played by dust particles in nature is of no great scientific however, they play a very important role. Dust is an important factor in almost every phenomenon of the earth's atmosphere. In the first place it is due to the dust that the altitudes is cosmic dust, consisting, like heavens are blue. When we lift our eyes | the meteorites, of carbon and iron. to the vaulted arch above us we see sunlight reflected by every particle of dust; there is nothing but the dust between us and the sun to transmit its light to us Light traverses all gases, no matter what their chemical composition, in straight lines, and is invisible. The dust intercepts and reflects it on all sides, and makes the whole atmosphere luminous in the same manner as it makes the track of the sun's rays visible in a darkened room.

Without dust there would be no blue firmament; the heaven would be blacker than we see it on moonless nights. On this black background the glowing sun would shine out sharply, and the same sharp contrast of intense light and deep shadow would characterize the surface of the earth. sharp contrast but the moon and stars, Mr. William Walter Phelps, ex-Minister which would remain visible by day. The illumination of the earth would when looking at the moon through a tele-Under pressure of the Buffalo City Coun- scope; for the moon has no atmospheric en. velope and consequently no dust in suspension. It is due entirely to the dust that left-hand player light, for which our eyes are especially Two prominent representatives of Boston adapted; and it is the dust which contributes so much to the beauty of the land-

> But, while the foregoing explains how light, it does not explain why it is chiefly different, slip, and to the blue rays of the white sunlight that are reflected, and, only to a small extent, the green, yellow, and red rays.

particles. It is only the finest of them that tum of air, and it is only these fine, widely diffused dust particles that are of any significance in this connection. Now let us consider the mechanism of light and the extreme shortness of the ether waves which constitute its essence. These waves, alconsiderably in length. The fine atmospheric dust includes many particles large enough to reflect the short blue ether waves, fewer particles capable of reflecting green and yellow, and still fewer large enough to influence the long red ethereal waves. The red light, consequently, passes through the great majority of the dust particles comthe contrary, are intercepted and diffused, and so become visible. This is the reason

ament-appears blue. ticles in the latter case have united and become large enough to reflect white light. So, too, in the country on a clear day the sky is blue, but in the city it appears whitish, because of the greater number of coarse dust particles in the air. It is especially on mountain heights that the sky is so intensely blue, because the rarefied atmos-At great heights the sky would be almost | black if there were no dust particles in | leaving the balance of the engine at rest. suspension. We see it grow pale as we look at the lower strata of air toward the

But why is the sky in Italy and in the tropics so much deeper blue than with us? The Pope will shortly publish his jubilee Is the dust finer there? As a fact, it really encyclical, in which he will express his de- is. Not that finer dust rises there; but in our climate the dust particles are soon saturated with water vapor, which makes them coarser. In warmer regions, how-The Pope on Sunday received a number ever, the vapor retains its watery character and does not condense on the floating dust. It is not until the aerial currents have borne it to higher and colder regions that it is condensed to clouds.

This brings us to the most important role played by dust in our atmosphere; its influence in determining rainfall, due to the fact that vapor fluidifies upon the dust

It may be accepted as beyond question that, of all the water evaporated by the sun from the surface of land and sea, not one drop returns which has not condensed upon a particle of dust as a nucleus. This is easily demonstrated. We fill a large flask with air which has been filtered through cotton waddings until all the original dust is driven out and the flask is full of dustless It is reported that Emperor William air. Into this dustless air turn a current

fog, no clouds, no rain, no snow, no bril- with food for her young.

liant-hued sunsets, no cerulean sky. The surface of the earth itself, the trees, the houses, along with man and beast, would be the only objects on which the vapor could condense, and these would begin to drip whenever the air was cooled sufficiently. In winter everything would be covered with a crust of ice. Our clothes would become saturated with water condensing upon them. Umbrellas would be of no avail. The vapor-laden atmosphere, moreover, would penetrate to our rooms and condense upon the walls and furniture. In short, the world we live in would be quite another world if there were no dust.

Since scientists began to realize the important part played by dust in the economy of nature, measures have been taken to count the particles in a given space. In London and in Paris, at the surface, a cub. ic centimeter has been found to contain the top of the Eiffel Tower there are about half as many, while in the high Alps there are only about 200 particles to the centimeter. A great deal of the dust at high

PICTORIAL CRAMBO.

An Amu sing Modification of Crambo— Pictorial Instead of Poetical.

A very amusing pictorial modification of the old game of " crambo," in which the last word only of a line of verse is furnish. ed by one player to his next neighbor, who thereupon has to write another line to rhyme with it, is described by an exchange. This new game is pictorial instead of poetical. In it three or more players sit around a table. Each has a pencil and a piece of paper folded twice-that is into three sections. Then each player draws a picture of the head of some creatureman, beast, bird. fish, or imaginary and monstrous object. He carries the line of the neck of his picture just over the first

fold , to serve as a guide to the next player. Then he folds the paper over so that the head shall not be seen, and passes the paper along to the next left hand player,

who draws a body for the head, also carrying the lines a little below the fold. It is then passed on

as before and the next draws the legs to finish this body. Of course when all three papers have

been passed around, each player has drawn a head, a body and legs, but each has drawn them on a

match other portions of a body which he has not seen. The papers are then unfolded and inspected, and the combinations are always found to be curious and laughable. This is dependent on the size of the dust | The picture given above was produced in such a game.

It adds to the interest if each player has in his mind a particular sort of creature, so that the head, body and legs which he draws would, if they were all on the same paper, produce something like a coherent picture. The "mixing up" in such cases is likely to be funnier than if each player had takena new tack with each paper.

Steam Engine Breakdowns.

According to Prof. Sweet's investigations, engineers will find the cause of steam engine breakdowns to consist-among other occasions-in the fact of water in the cylinder, and that it is the inertia of paratively unhindered; the blue rays on the flywheel that produces the damage. This may be prevented in the case of every engine with separate crank and that the finest dust -and so, too, the firm- flywheel, the Professor remarks, by making the connection between the wheel So, then, the finest dust appears blue. and the shaft a friction connection-You may observe that the wreath that that the flywheel fitting a taper seat United States more than 6,000,000 farms, curls upward from the burning end of a on the shaft, a taper of say two or three upon which dwell over 30,000,000 people, cigar is blue, while the smoke drawn inches to the foot, and forced on by a through and exhaled is whitish. The par- feathered washer nut or cross key, serving value of exports of that country. the purpose, the cost under this arrangement not being a noticeable feature, of and Japan. Last year, in the crematory of course, compared to the entire cost of the engine. Further, Prof. Sweet remarks that the impossibility of throwing the flywheel city of Japan, the average number of creout of true by keying would be worth the cost, and when done, it would only be necessary to adjust the friction to the legiphere supports only the finest dust particles. | timate work, so that in case of accidental resistance the flywheel would slide along,

The Shrinkage of the World.

Vice-Admiral Sir John Hopkins, com manding the British cruisers Blake and Tartar, which have been visiting Boston, on Monday evening made a statement to a number of press reporters, in which he said :- "The distance which parts England and America lessens every day. The ties which unite them grow every day stronger. Against this silent and inevitable drift

of things the spirit of narrow isolation on either side of the Atlantic struggles in vain. It is possible to read that the two branches of the English people may remain forever separate political existences. It is likely, though, that the older of them may | 500 promontories, 1,000 lakes, 2,000 rivers again break in twain, and that the English | and 10,500 islands. The Assyrian Empire in the Pacific may assert as distinct a national life as the two English peoples on either side of the Atlantic. I trust that in the near future a real and higher federation of our naval forces may occur, and that the glorious flags of your country and mine may guarantee abiding peace and protection throughout the world."

A Robin's Nest in a Church.

A few Sundays ago, on the family of Mr. W. A. Wykeham Musgrave entering their pew in Thame Park Chapel, Oxfordshire, other. forth he should reverse the friendly policy noticeable is that the inner walls of the Eng., they were surprised to see a partially of Germany and return to Prince Bismarck's | flask begin to drip; the vapor condenses | built robin's nest on the book ledge against | dismayed to find that for years one of the distrust of everything English. It is said here as it cools, because there is nothing a Prayer Book and a Hymn Book. The hospitals there had contributed its quota in culty exists in the protective tendencies of that Sir Edward Malet has tendered his else for it to condense on. But blow ordin- family immediately decided to occupy ary dust-laden air into the flask, and the another seat and leave the little redbreast vapor at once assumes the familiar cloudy unmolested in its strange abode. On the the wards, were regarded as the special appearance due to its condensation on the following Sunday the nest was completed perquisites of the servants, who sold them dust particles; and it begins to rain in the and contained five eggs, and on the succeed- to manufacturers of the particular industry European armies cost annually over \$10, flask. The reason for this is that 'le ing Sunday the bird sat on the eggs during to which we have referred. This proceedvapor condenses on the dust parties | the whole of the service. It has now been ing, which has now been put a stop to, was A census just taken shows that there are and freights them until they sink as rain. found that the bird has hatched four young carried out sub rosa, and, it may readily be Without dust, then, we would have no the chapel during the service last Sunday

PITHY PARAGRAPHS.

Some Interesting Items Culled Frame the World's Four Corners.

New York has 3,497 policemen.

London has 10,100 union printers.

A racehorse clears from 20 to 24 ft. at a

Gun caps were first used in the English army in 1822.

Japanese children are taught to write with both hands. The French army is three times as large

as it was in 1870. The Paris sewers are the largest and most

complete in the world. The United States contains 194,000 square miles of coalfields.

Color-blindness is far more common among men than women.

The speed at which a cricket ball is delivered by a fast bowler is a mile a minute. The Queen has taken 447 prizes at Eng-

The Hungarian Crown has experienced more vicissitudes than any other Crown in

lish cattle shows for products at her stock

The rock of Gibraltar is an exact representation of a lion lying in a resting post-

The starfish has no nose, but the whole of its underside is endowed with the sense of smell.

The Turkish Government has forbidden the importation of all patent medicines into that country. The Greek Church employs two rings in

the marriage ceremony-one of gold, the other of silver. A merchant in Germany has been fined heavily for using a quotation from the Bible

It is estimated that there are less than 10,000 paupers in the Japanese Empire, with its population of 237,000,000.

to head an advertisement.

A sooty chimney can be cleaned by firing a pistol or gun up the flue. The concussion dislodges the soot and it tumbles down.

The number of telephonic stations in Germany, which was 1,504 in I881, had increased at the beginning of the present year to 63,558. The Caspian Sea is the largest inclosed

body of water in the world. It varies between 740 miles in length and 200 miles in breadth. The chimneys of ocean steamers are much larger than is generally supposed. They

range from fourteen feet to eighteen feet in diameter. In times of scarcity the South African natives sometimes rob the nests of the termites, and as much as five bushels of grain

have been taken from a single nest. Brussels has started a Cat Club, which has just held a successful show. There were 116 entries, including five Siamese of Breat beauty, and three Manx cats.

The tail of the kangaroo is the fleshiest part of the animal. It is considered dainty food when boiled in its own skin, which afterwards may be drawn off like a glove.

Counting the bearing and non-bearind orange trees in Florida, there are estimated to be 10,000,000 trees. California is crediteg with having 6,000,000 and Arizona about 1,000,000.

The names of delinquent taxpayers in Saxony are conspicuously displayed in restaurants and soloons, and any persons who serve them with food or drink are liable to have their licenses revoked. The cheque cannot be proved to have

existed in the commercial transactions of Europe, outside of Italy, until late in the seventeenth or early in the eighteenth century; in England not till about 1760. There are at the present time 17,051 Weslevan Methodist Sunday schools in Great

Britain, an increase of 503 in ten years. The children number not less than 948,508, an increase of 106,557. Statistics show that there are in the

who furnish more than 74 per cent. of the Cremation is gaining favor in France the Pere Lachaise Cemetery, Paris, there were 3,741 cremations. In Tokio, the chief

mations is thirty a day. According to the law of Holland a man cannot be punished for kissing a strange lady in the streets against her wish. The Appeal Court of Amsterdam have just decided that " to kiss a person cannot be an offence, as it is in the nature of a warm

mark of sympathy. A Continental doctor warns people against kissing domestic pets. An examination of the saliva of cats, l.e says, was found to be rich in all sorts of minute bacilli, while a dog's saliva contained even a greater number of bacteria.

A keeper on the Wadhurst Park Estate, Kent, recently shot a fine female specimen of the white-tailed eagle, the first of the kind ever known to have been captured in the south of England. The bird measured seven feet six inches across the wings, and three feet from beak to tail.

Roughly speaking, the British Empire extends over one continent, 100 peninsulas, was not so wealthy as this is. The Roman Empire was not so populous. The Persian Empire was not so extensive. The Spanish Empire was not so powerful.

There is a remarkable sympathy between the eyes. So much is this the case that any serious injury to the one is almost certain to affect the other, hence the necessity which often arises for the removal of the injured eye mainly for the sake of saving the other. This sympathy has been shown to extend so far that color perceived by one eye alone excites the retina of the

Cigarette smokers in Paris were rather the manufacture of cigarette papers. The cotton wool and lint, after being used in once, and the mother flew in and out of surmised, was never widely brown or perhaps consumers of Parisian algarettes would have been fewer in number.