arms, but keep the good ones. Annual sessions of Congress of Universal no room to expect that a race between the Peace League opened in Lausanne, Switzers the crews can now be arranged:

New York, Sept 25

general traffic in the early part of October.

The Electric Flash .-- Its Velocity and Measurement.

A correspondent of the New York + Even ing Post" gives the following interesting des-cription of the experiments of Professor Road eription of the experiments of Professor Road and others in the measurement of electrical & h & & t a n b a r b.

velocities.:

A wheel painted black and carrying a distinct white point or its circumference is provided with some means of giving it a uniform protion of rotation. If the wheel make one revolution in one sixth of a second, the white any impression produced on the eye remains during one sixth of a second, therefore during one revolution of the wheel all the successive pany for the nominal sum of \$1. This was good can be formed of the improvements, of the great cities of the United States, by rail. No idea pany for the nominal sum of \$1. positions on the circumference occupied by the hence the circle sppears unbroken. Now, it a flash of light in the place of the white point should last one sixth of a second the spirit should last one sixth of a second the circle spears unbroken. should last one sixth of a second, the circle take stock in the undertaking, as soon as the Com twelfth or one twenty-fourth of a second, then would the point describe one half or one quar means—remembering that the smaller the arc of the circle the less the duration of the flash daily increasing. The people feel that they can

white bands drawn with the s ace between summer frequently declared that all that was r ahem equal to their breadth; then, if the wheel makes ten turns in a second, any rad all recort was a large hotel, and the erection of bat white bend will advance into the position pre-viously occupied by an adjoining black band in one thousandth of a second, and if the flash of light lasted one thousandth of a second all sea bathing and genial hospitality of its people. the white bands would, during that interval, have advanced into the position of the black bands, and vice versa, and the disk would ap-

the disk was stationary. But Professor Wheattal axis, and instead of the white point or bars, he used the image of the spark reflected from was \$33.70. It may be suggested in connection with the ous, then will it appear in the rotating mirror, just as it is seen when reflected from the mirror at rest; but, if the spark last during even an extremely minute fraction of a steened, it will appear drawn into a line in the direction in which the mirror turns. Wheatstone thus measured the one-million one hundred and if the spart last during and assist them in their entity-thousandth of a second, and assertained of avours to carry on their christian work, giving.

Professor Reed combined the two methods going at the rate of one hundred and ninety thousand miles in a second to travel over forty The flash from a jar having one hund. red and fourteen square inches of

remain quiet for a time.

The are rumors that a plot for the restoration of Napoleon has been discovered in Paris, and broken up.

French Minister of Foreign Affairs assured Von Arnim that the French Government will accord ample protection to German residents. All the salt to row the St John crew at Springfield on salt to row the St John crew at Springfield on salt to row the St John crew at Springfield on per ance, masonic or other subjects, are persons of persons of the support of the support of the salt to row the St John crew at Springfield on persons of the support of faction, science, health, temperature of the support of faction, science, health, temperature of the support of faction and set mained or killed an action we fall into it and get mained and i

"MONTREAL, Sept. 23 There was a great fire in San Francisco on Saturday night. Loss a million dollars, and everal firemen injusted, some fatally

The Coulter-Biglin Crew have challenged any crew in the Urited Stress to run a five on the Urited Stress and would have created the five of the Urited Stress and would have created the five of the Urited Stress and would have created the five of the Urited Stress and would have created the five of the Urited Stress and would have created the five of the Urited Stress and would have created the five of the five o six mile race for from \$1,000 to \$5,000.

"want to row, and would have crept out of it thereby add another laurel to their fame as "champions of the world." It is probable that there writing.

> S. M. PETTENGUA, & Co. 37 Park Row, New York, Are our SOLE agents in that city, and are autho-ized to contract for advertising at our lowest rate

SAINT ANDREWS, SEPT. 27, 1871 GRANT TO THE HOTEL COMPANY .- The Ses sions carried out the wishes of the townspeople by granting all the vacant land on the Commons oright point remain impressed on the eye and Town (\$5000) in Stock, will we believe ensure produce in St. John. Its immediate practical would appear complete; but if it last done pany entered into a contract for its construction. The old foggy ideas and obstructive opinions, are fast dying out, before that desire for progress and -we can readily measure, from the length of not afford to lie by while all around is advancing this are, quite minute portions of time.

The energetic Directory of the hotel company uits minute portions of time.

The energetic Directory of the hotel company will now no doubt push the work on as fast as cir wheel, we have one hundred or more radial constances will permit. Visitors during the past resort was a large hotel, and the erection of bath-

On Wednesday last, the Sabbath School Hymn Class of the Presbyterian Church, of St. Andrews pear wi hout bands and covered with an uni- with their pastor the Rev. Mr. Keay, and a numform gray tint. We can thus readily and accurately measure one thousandth of a second. With the above apparatus Arago, about the year 1835, first showed that a fash of lightness in glasted less than one thousandth of a recond, and the succeed in fixing the minimum dimit to its duration. Profesor Road, however was more fortunate; for during the well remembered remarkable display of lightning 1869, with an apparatus similar to the above extern was more fortunate; for during the well refreshments taken up and others provided by the extemporized from a piece of paste board as the duration of those vivid and extensive flashes.

It was soon found that the velocity of the revolving lisk fell far behind that of the spark of the Leyden jar, for its flash showed the revolving lisk fell far behind that of the spark of the Leyden jar, for its flash showed the revolving radial bursas absolutely at rest as when the disk was stationary. But Professor Wheat:

Take 1855, first showed that a fash of lightning a flash of lightning and accompleting the Church and obtaining a Library for the Sabbath School. On arriving, after sing ing the 190th Psalm and asking a blessing, the refreshments taken up and others provided by the refreshments taken up and others provided to the refreshments taken up and others provi form gray tint. We can thus readily and ac- ber of the members of the congregation, went up stone, of London, in 1834 substituted for the by afternoon train, much gratified with the plea- novel and beautiful, and, in twenty-four hours, in a locality of N. Harbor, where heaps of shot

shove given by viewing the appearance of stationary, parallel, and equidistant white and John, on Thursday night last, which destroyed Pacific line is construct dethis link would be John, on Thursday night last, which destroyed back bands r flected from the revolving mirror while the flash of the Leyden jar illuminated them. He has produced, by this simple combination, an instrument surpassing in minuteness and accurred of determination all the minuteness and accurred of the minuteness and minuteness and accuracy of determination all Fountain House on King Square, questroying several that has gone before; an accomplishment which teannot but reflect much renown upon Ameri cannot but reflect much renown upon Ameri cannot but treflect much renown upon and administration and administration cannot be renown upon a meri cannot but treflect much renown

THE PARIS AND TYNE CREWS.—The Daily

London, Sept 25.

Queeu Victoria is suffering from rheumatism nen

The Princess of Wales will soon return from

The Wales A Trap.—We beg to direct attention of the Commissioner of Streets, to the well (now dry) at broke out at Randle's Mill, formerly the Hard would add greatly to the appearance of the brokes out at Randle's Mill, formerly the Hard would add greatly to the appearance of the brokes out at Randle's Mill, formerly the Hard would add greatly to the appearance of the brokes of the Wales St. The NewCastle A Trap.—We beg to direct attention of the Commissioner of Streets, to the well (now dry) at the head of King Street on Pines of Wales St. The NewCastle A Trap.—We beg to direct attention of the Commissioner of Streets, to the we Republicans in Spain have determined to remain quiet for a time.

Republicans in Spain have determined to be determined stand taken by the St John backers, in their last telegram, fall into it and get mained or killed an action we have the world by the St John backers, in their last telegram, fall into it and get mained or killed an action we have the world to be an action we have the world to be soon the Insurance of well to be dug there was an illegal proceeding; and now that there is no use for it, the hole should be covered over or filled up. Were anyone to by the St John backers, in their last telegram, fall into it and get mained or killed an action we

man," are to retire as "Champions of the World,"
on the 1st October, if no response is received to "Could not make a match. I conceded the hundard pounds, and then made Hogan stakes honor, after their numerous hard won victories. will be an excursion on the day appointed for All things being favorable, it is likely that they the race is rowed, would be an opportune occasion to present the noble crew with a substantial recog- spot. On the 26th of August tion for their prowess as oarsmen.

The rails have been laid to Bangor, the work of allasting is proceeding rapidly, and on and after 16th October, passengers will be able to pass from St. John to New York, Chicago, San Francisco, policy, and with the liberal amount taken by the changes the completion of this railway system wil from a more speedy means of, and more general intercourse with the energetic and busy people across the lines, will produce results that are now nealculable. The opening of the road about 10th October will attract a good many people here, and it would be well, we think, it some means of pro iding for their entertainment and pleasure could be agreed on. We think there is a disposition at Bangor to have that place the head and front of the opening celebration, but St. John should not England here uncovered. allow this .- [Globe

## A Railway for Newfoundland.

fax Citizen says:-

to be talking about a railway across the Is land. We do not think of a local line, but ancient burial-pround of Manastown, marked will one right through the centre of the country— from St. John's to St. George's Bay—a dis-ment apparently a tag to a roll or piece of clot tance of 258 miles;—a steam ferry from the latter to Shippegan Harbor, Bay of Chaleur,

favorable for enjoyment and the party returned land in eight hours, amid scenery the most shown. Mr. Hackleton also exhibited shot four would find the mselves at Shippegan where a branch of the Intercolonial Railway would for teken out, 50 lbs. at a time, and 32 lbs. by weight, ward them to any part of the States or Canthe turning mirror. It the spark be instantane It may be suggested in connection with the ada in a few hours. This is not mere roand DALHOUSE.

On return calling at the same ports in reverse that the electricity from a Leyden jar goes that the rate of 288 000 miles in a second, exceeding light itself in verboicity.

The two continents. The near future, he considers, who had been employed to remove the rains and laborers who had been employed to remove the rains and light from the beautiful Hymns which their young mare taught; pleasures, in a great many cases in passengers from Laborers are taught; pleasures, in a great many cases in passengers from Laborers are taught; pleasures, in a great many cases in passengers from Laborers who had been employed to remove the rains and laborers who had been employed to remove the rains and level the streets, fill up the cellars and dig up the payements and erase the century.

On return calling at the same ports in reverse who had been employed to remove the rains and level the first of May and to continue until the middle payements and erase the century. passengers from London would reach New York in 'seven days' by this rou'e; Chicago in eight days; and San Francisco (via Chi

can science. He has succeeded (with a mirror making three hundred and fifty turns in a s. c oud) in measuring accurately forty billiantis of a second, and has shown that this is the duration of the flash of a L-yden jar having only eleven square inches of surface and one twenty fifth of an inch striking distance—an interval of time just sufficient for a ray of light going at the ra'c of one hundred and ninety thousand miles in a second to travel over forty.

red and fourteen square inches of surface lasted four times as long as that of the smaller
jar. Thus, for the range of electric flashes,
we have measures from the one five hundreth
to the forty billionth of a second.

A New. York paper says Sheriff O'Brien
has issued a letter denouncing Tweed, Hall,
so casily worked, is susceptible of a fine polish,
so casily worked, is susceptible of a fine polish,
and, so far as the tests have gone, it is im
perishable. A block of elegant buildings
secretly in league with the ring.

OPEN FOR 9 RUSINESS
St. Stephen daily worked, is susceptible of a fine polish,
and, so far as the tests have gone, it is im
perishable. A block of elegant buildings
secretly in league with the ring.

JAS, S. LOCKIE,

A New. York paper says Sheriff O'Brien
has issued a letter denouncing Tweed, Hall,
has issued a letter denouncing to saily worked, is susceptible of a fine polish,
and, so far as the tests have gone, it is im
perishable. A block of elegant buildings
secretly in league with the ring.

JAS, S. LOCKIE,

on of Napoleon has been discovered in Paris, and broker up.

The Firesh Minister of Foreign Affairs assured on Arnim that the French Government with the French Government with the French Government with the St. John crew at Springfield on the 16th October, provided they were paid Lyous.

Disarmament of Algerian rebels meets with bstacles. Tribes' surrender unserviceable rung, and they had to pay them to enter the content of the recapture of young Slavin and articles in the several departments. All the safe to row the St. John crew at Springfield on the 16th October, provided they were paid to starling for their expenses. The whole the 16th October, provided they were paid to make a match with the excenses previously and they had to back and the 16th October, provided they were paid to make a match winter the meant of the reaptive of young Slaving at McAdam J SLAVIN'S RECAPTURE .- It appears that die rather than return to the Penitentiary. Warden Quinton and Keeper O'Keefe left on

## A Buried City in Maine.

AN ANCIENT FORT OVERGROWN BY AGEI

Society was enlivened by an address by Mr. R. K. Sewall, who said that at a special meeting of the Society, held at Augusta in February, 1869, the rowing, and that thousands will witness the race, question of existence of paved streets at Pemawill make splendid time, and row the 6 miles in strations, and others denying the fact. On mo 36 minutes and 30 seconds or 37 minutes. After tion of the Hon, J. W. Bradbury, a large com nitte of the Society was appointed to visit th had not been fold, for the sections of pavements. artistically built of beach cobble stones, with per fect gutters and curbings, were opened and examined, uncarthed from the depth of a foot or nore of soil, above which the tall-grown grass had ong waved and often been shorn and made into

> Further examination disclosed other facts, show ng that Maine had a mysterious but buried hi ory, to unearth which the citizens of Bristol were promised a field-day exercise in two years from would make fuller explanations of their ancient 22, Ospray, Sprague, Portland, Flour, &c., remains, and gather up for the use of the society all the fragments of history within reach, and a special committee was organized to take this duty n charge, the remarkable results of whose efforts in developing the archæology of this spot have seemed to justify the recommendation that a history of Maine, to mark the "beginnings" of New

J H. Hackleton, of Pemaquid, as the organ he sub committee, having in charge the exhibit of newly discovered remains, gave a most full and A writer from St. John's, Nid., to the Hali- intensely interesting detail of facts, relies, and traditions, supported by affidavits of living eye "Some persons here are audacious enough witnesses, showing that in 1836 a fragment of ancient burial ground of Jamestown, marked with ment, apparently a tag to a roll or piece of cloth, dug up at N. Harbor in 1858, bearing date 1610, within the last five years, by his affiant, Joshu

The British Colonist of Victoria, V. I., draws Mr. Langevin's attention to the im-mense deposits of free-tone in that Colony, it

"In completing the arrangements for the construction of the Dominion Custom House and Post Office, we trust that Mr. Langevin's attention will be directed to the large deposit of freestone of the best quality at and in the vicinity of Nanaimo. The fact that the United States Government—with many descrip-The Members of the Cabinet, Honbls Mr. Tiley and Dr. Tupper are we understand to leave in a few days for Ottawa, to remain until next season.

In mands of private individuals, and should the present system of "gobbling up" be obtained anywhere. The deposits are practically inexhaustible. Entire islands composed allogether of the sandstone are every where seen. Along the eastern shore of this grants to locate.—[Car. Sentinel.] A New York paper says Sheriff O'Brien merses. The grain of this stone is fine and it

-The "New Dominion Monthly" for October Queen, \$10,000, is received, and is filled with choice literature. original and selected. Terms \$1 50 per ann.

-The eruption of Mount Vesuvius, which

urgently asked for.

—Simebody has started a report that Professor Agas-iz has predicted a great upheaval of the waters of the Atlantic, which will throw upon our shores a tidal wave fity feet high on the night of the 5th or morning of the

AN ANCIENT FORT OVERGROWN BY AGED
OARS—PAVEMENTS, GUTTERS, AND A CA
NAL UNEARTHED—THE ARCHEOLOGISTS
PUZZLED.
The last "field day" of the Maine Historical
by fire on Friday last. The health of Queen Victoria we regret to-

tearn has not been improved by her residence: in the Highlands. -The ladies of the Bapt'st Church at S: George realized \$200 by a recent bazaar. At Oak Bay a Wesleyan Tea Meeting made \$200. On and after the 2nd October the steam-

trips a week, on Mondays and Thursdays. pot. On the 26th of August following, that com ... The postal money order system between nittee proceeded to Bristol, and found that half life United States and Great Britain will go into operation on the 2nd October.

have been issued. They can be detected only by their light weight and a slight imperfection in lettering

# 4 Ship Aews

PORT OF ST. ANDREWS ARRIVED

Sept. 20; Broadfield, Britt, Bostou, Hides, R.

Eliza Frances, Hunt, Salem, ballast. 23, Matilda, Stinson, St. Stephen, Sundries Kedron, McWna, New York, Pork, Robinson & Glenn.

CLEARED. Sept. 20, Nettie, Andrews, Boston, 75 M. Boards, 75 M. scantling, D. H. Budge.
23. Daisy, Bannon, Portland, 1753 sleepers,
J. Leighton 893 M. shingles A. S. Brown,
Elizabeth Bowlby, Clark, Salem, 2652

sleepers, R Ross. Brondfield, Britt, Salem, 3,300 sleepers, R Ross.

HORSE FOR SALE.

A young Horse rising 4 years old, kind in haress, is from good stock, and warranted. Will be old as the owner has no further use for him. For price, &c., apply to Sept. 20, 1871. THOS. FINLAY.

WILL be received at this office until WEDNESDAY the 20th day of October next, at noon, from parties willing to enter into contract to place a good and efficient Steam-boat on the North Sh reroute, to ply between SHEDIAC AND CAMPBELLTOWN ON THE RESTIGUUCHE RIVER. CALLING AT

RICHTRUCTO M, WCASTLE, SHIPPIGAN.
CARAQUET, BATHURST, and DALHOUSLE, and DALHOUSLE, and Later that later that wild? CHATHAM, NEWCASTLE,

## OF BRITISH NORTH AMERICA

CAPITAL £1,000,000 Sterling.

Department Public Works.

Head Office---London, England. Interest allowed on Money deposited at Four-

Current Accounts opened to be drawn upon by Cheques.

Poor Condition Original issues in Best copy available

Fetate of libello, in the Community will rende rested to mak Campo Bello

ALL Persons Estate of St. Andrew

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