#### A GLIMPSE OF MARS.

Is the Planet a Minature Earth With an Atmosphere, Seas and Rivers?

This planet, although revolving comparatively just outside the path of the earth, is not much more than half the size of our globe, says William J. S. Lockyer, F. R. A. S., in the London Magazine. Being discarded from the original central mass—from which all

the planets have been formed—a little time previous to the earth, it should approximate the same, or perhaps a trifle later stage of evolution as our world. Mars should present to us the appearance of a solid crust, with or without water or water-vapor, and therefore with or without an atmosphere. Fortunately for us, Mars is a little farther from the sun than we are, consequently when its disc is largest the whole of the illuminated pertion is turned towards the earth. It also happens that at these times, under favorable conditions, these two planets—the earth and Mars—approach each other closer than ordinarily, and it is at these epochs, technically known as "opposition," that Mars' surface can be best studied. What, therefore, does a study of this planet's surface disclose? Is Mars a miniature earth, with an atmosphere, show, seas, rivers and mountains? Does it exhibit seasonal changes as it should do in consequence of the inclination of fits axis?

A minute examination of Mars' surface reveals the fact that we are here dealing with a planet which has really a solid surface, and one that we can see; this point is proved by the fact that many of the markings are strictly permanent, and can be easily recognized after long periods of time. Perhaps the most striking features of the planet's surface are the white markings or caps, situated at the poles. These are sometimes seen simultaneously, but very rarely, owhay to the earth, the brilliant polar cap becomes most prominent; further, the sizes of these caps do not remain the same. During the winter of the hemisphere to which the cap belongs, the cap is found to be verb large; with the advent of the planet's surface are the white markings or caps, it unter the world water. The planet's surface are the head of the planet's spring it is noticed to shrink gradient of the planet's spring it is noticed to shrink gradient of the planet's spring it is noticed to shrink gradient of the planet's spring it is noticed to shrink gradient of the planet's seem to favor the vie

### EARTHQUAKES.

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AWFUL BOARDER LOVED HER.

A Wilkie Colling Murder Tale From New York.

(New York Sun.)

Miss Blisabeth Hall, who keeps a little boarding house in a flat at 372 Eighth avenue, had her star boarden, Joseph Hahl, arrested yesterday aftermoon and told the police a real Wilkie Collins story.

Miss Hall said that Hahl had lived in her flat for some time and that he had attemped to make love to her. She gave him to understand that his attentions were wasted. At that, according to Miss Hall, Hahl threatened all sorts of dire things to her and intimated that her life was in danger.

Miss Hall said that last Sunday morning she awoke with a chpking sensation in her throat. Between her teeth was a tube from which gas was flowing. The tube, she said, led through the partition into Hahl's room and she thought he had put it there. How the tube got in her mouth she didn't know. Anyone who has read Wilkie Collins diligently could give her a hint about murder through a partition wall.

Yesterday afternoon Hahl returned to the house in the absence of the proprieterss. He had been drinking and had an axe, with which he proceeded to wreck Miss Hall's room. He had smashed all the pictures and a good deal of the furniture when Miss Hall came in.

"Threw me down, did you?" said Hahl. "Now I'll throw you down for fair."

He made a rush at her, struck her several times and threw her against the wall. Miss Hall ran screaming into the street, where she found a policeman who arrested Hahl.

At the police station Miss Hall told her story and showed a number of bruises and a torn waist to prove it. Hahl heard the story, and when she was through remarked.

"Yes, and I'll get you yet when I get out. I'll dx you if it takes ten years." He was looked up.

MERCURY IN LOAF.

MERCURY IN LOAF.

Discovered Body of a Boy Drowned Two Weeks Before,

(New York Herald.)

Two Weeks Before.

(New York Herald.)

Filled with mercury a loaf of bread did in Coney Island Croek Tuesday what the police and many other persons had failed to do. It located the body of Abraham Cohen, five years cild, son of Julius Cohen, of West Twelfth street and Surf avenue, who was drowned by the capsizing of his father's boat in the creek on May 7 last. The boy Abraham was one of a party that Mr. Cohen took fishing on the afternoon of May 7. The boat capsised off the foot of West Twentieth street, and the boy was drowned. The police and the bereaved father made every effort to locate the body. Their efforts were travailing. The nody could not be found.

Mr. Cohen, some few lays ago, was told that a loaf of bread filled with mercury and cast into the water nearthe site of the boy's death would float about until it reached a spot directly above the corpse. He was inclined to regard the suggestion with no seriousness until Tuesday, when he was prevailed upon by his friends to make his last effort to find his son's body.

Accordingly, he obtained the necessary bread, which he filled with mercury, and then went with two friends to the creek. He cast the bread into the water. It floated about for fully five minutes until it had been carried a block by the tide. It stopped moving for a second, was twirled about and then sank. With grappling irons Mr. Cohen and his friends searched for the body, and after a few minutes' work brought it to the surface. Stuck in the little fellow's clothing was the mercury filled loaf of bread. The bedy was femoved to Mavron's undertaking establishment and later to the home of Mr. Cohen, from which it will be buried this afternoon.

RELICS OF FOTHERINGHAY.

Seldom has a famous castle so completely disappeared offit the face of the earth as Fotheringhay, the last remaining stones of which Lord Wantage, who owns the lordship, has given permission to the Peterborough Archaeological Spelety to protect. A couple of miles out of the town of Oundie, on the banks of the Nene, a green mound rises where the great keep ence stood, covering a few fragments of the foundations of the fetterlock tower built by Edmund of Langley, son of Edward III., afterwards created Duke of York. By the waterside as weather-(Westminster Gazette.) AMERICAN EARTHQUAKES,

Besides the Charleston earthquake of 1886, in which 41 lives were lost and about \$5,000,000 worth of property was destroyed, says the New York Sunthere have been two notable earthquakes in the United States within historic times—one near the head of the Mississippi delta, in 1811-12, and one in the Inyo Vatley, Cal., in 1872.

The former, known as the New Madrid earthquake, was remarkable for the length of time which its phenomena covered. There were several shocks at short intervals for several menths, and the whole series of shocks lasted about two years.

The country was sparsely settled, and no scientific records of the disturbance were made, but it is related that the alluvial land of the river bottoms was traversed by visible waves, which rocked the trees to and fro and uproted the trees to and fro and uproted the trees to and fro and uproted many. Huge fissures were opened, and lakes were drained by the escape of their waters into them. The largest aunken area is said to have been 60 to 30 miles long and nearly half as broad.

The Inyo Valley carthquake was caused by a, remewed movement along the great fault plain at the eastern base of the Sierra Nevada. The chief shock lasted only a few minuse, but others of less violence continued for two or three months.

A tremendous fissure was formed along the base of the mountain range for about 49 miles. The land west of the fissure vose, and the land east of it fell several feet.

Owens river was temporarily swallowed up, in the village of Inyo all the houses were thrown down and one-tenth of the inhabitants were killed. Edward III., afterwards created Duke of York. By the waterside a weatherworn stone or two of a ruined wall—and that is all. The hall within which the historic scene was enacted was bought by Sir Robert Cotton, the antiquary, and removed by him to Conington, in Huntingdonshire, but the remaining fabric has been dissipated in the construction of dikes and fences for the river and the building of a neighboring chapel.

PATTERSONS, Con. Charlotte

SHIRT WAIST SALE



ON FRIDAY, MAY 23RD. This sale will give you a chance to secure a pretty white or colored SHIRT WAIST. They have all been reduced for ONE DAY ONLY. WHITE ONES 590. up, but the strongest lines are our 980. ones. They are pretty. All sizes, 12½ to 14.

THE SHIRT WAIST SALE.

# Showy and Swell.

Smart and stylish, are the Ladies' Oxfords we are now showing. You know this store's offerings are just a little newer, just a little nicer than seen elsewhere - and ever so much cheaper :

Women's Dongola Kid Oxfords, Goodyear welted, stylish last, handsome and durable, \$2.00.
Women's Box Calf Oxfords, a very natty and popular shoe, selling at \$1.75.
Women's Dongola Kid Oxfords, heavy sole, an excellent street Oxford, at \$1.75.

Women's Kid Oxfords at \$1.50, \$1.25 and \$1.

This store will be closed Saturday, May 24th. Open Friday evening.

SAVAGE,

Cor. King and Charlotte Sts.

## SHIPPING NEWS.

PORT OF ST. JOHN. Arrived.

Seb. R. P. S., 74, Hatfield, from Calais; P. and L. Tufts, bal.

Sch. E. H. Foster, 124, McAloney, for Salein f. o.; Stetson, Cutler and Co.
Sch. Cora May, 117, Harrington, for City-Island f. o.
Constwise.—Schs. Clarisse, LeBlanc, for Meteghan; Beulah, Black, for Quaco; Effort, Milner, for Anapolis.

LATE SHIP NEWS. Domestic Ports.

CANSO, May 21-Ard, sch Ravola, Dukehlre, from New York.

Salire, from New York.

British Ports.

SCHALY, May 21—Pad, str St Paul, from New York for Southampton.

BROW HEAD, May 21—Pad, strs Lake Manitoba, from Montreal via Halifax for Liverpool; Manxman, from Montreal for do; Junda, from Halifax yia St Johns, NF, for

Ulunda, from Hailfax via St Johns, NF, for do.

KINSALIS, May 21—Psd, str Montcaim, from Montreal for Bristol.

HONG KONG, May 21—Sid, str Athenian, for Vancouver.

Poreign Ports.

BOSTON, May 21—Ard, schs Ray G, from Windsor; Quetay, from Littlebrook, NS; Smma E Potter, from Clementsport; Hagel Dell, from New York; Ellen M Mitchell, from Perth Amboy,
Sid, strs Commonwealth, for Liverpool; Devoulan, for do; schs John C Cottingham, for New York; H E Thompson, for de and Hillsbore; Maple Leaf, for Advocate, NS; Annie, for Saimon Hiver; Bessle, for Weymouth; R Carson, for Quaco; Effe May, Stephen Bennett and Progress, for St John; George L Silpp, for Waterside, NS.

Sid from roads, schs Alice T Boardman and Chase, from eastern ports for New York, NEW YORK, May 21—Ard, strs Oceanic.

# SPORTING NEWS.

Yesterday's American League Gan

# COMMERCIAL.

COTTON MARKET. 

Britt to Play With the Alerts.

The management of the Alerts made a good mean pritt of the Alerts made a good mean for the Alerts made a good mean for the Alerts made a good form, may be expected to put up first-class article of base ball.

The local base ball season will open Satisfied with two games between the Roses and Delio C. Rock I and F. The local base ball season will open Satisfied will two games between the Roses and Alert Will line up is not known how either team will line up is not known how either team will line up is not known how either team will line up is not known how either team will line up is not known how either team will line up is not known how either team will line up is not known how either team will line up is not known how either team will line up is not known how either team will line up is not known how either team will line up is not known how either team will line up is not known how either team will line up is not known how either team will line will meet on the Stammer to the form promotion of the Stammer to the close of last season in the south end League, are again after knowns in intervention base ball. They desire to arrange to will be a season of the Surrack Management and was not at the sold of the Surrack hourd be closely concessed.

Roses Pitcher Arrives.

Vail, the Houlton crack, who will put the morning of Visuach to take place on the morn 

games as third base on the Houlton team. He is a slight though wiry built chap, and comes with a reputation for speed, iwists and good judgment, in which the manage and good judgment, in which the manage and ment of the Rosse place unbounded faith.

S.65: Nov. 7.98; Dec., 7.96; Jan., 7.96.

WALL STREET.

NEW YORK, May 22.—Wall street—Openling prices showed irregular changes from last night. The Coalers were inclined to sag, Reading receding %. Canadian Pacific broke 1% on a tew sales and Ann Arber, pfd., lost 1% on a tew sales and Ann Arber, pfd., lost 1% on a tew sales and Ann Arber, pfd., lost 1% on the sale of the s

# MORNING'S NEWS.

EOCAL.

Several salmon have been captured by the shad fishermen of late. Robt. Hutton got one in the harbor this week and another was sent up from Pisarinco yesterday.

The charge of illegal liquor selling, preferred against John Martin, broke down in the police court yesterday afternoon, the prosecution being unable to produce its chief witnesses.

The attendance at the City Cornet band fair last night was larger than on any previous evening. A good business was done at the various booths. The 62nd Fusiliers band furnished music. This evening the City Cornet band will occupy the stand.

Walter Adams, a brakeman on the Shore Line railway, had one of his feet badly jammed in a frog yesterday, at St. George. The young man, who as a son of Thomas H. Adams of the public works department, was brought home to Carleton yesterday afternoon. The boat house and boats of the Neptune Rowing Club are being got in readiness for the season and the toat house will probably be brought over to this side of the harbor and placed in position for the season early next week.

The members of the Polymorphian Club executive met last evening and

over to this side of the harbor and placed in position for the season early next week.

The members of the Polymorphian Club executive met last evening and completed all arrangements for their smoker to be held at the Victoria rink this evening. Over one thousand invitations have been issued and a large attendance is expected. An excellent programme has been arranged.

Lt. Col. McLean will today forward to Col. Dunbar a list of four names of men from the 62nd Fusiliers, from which two will be selected as representatives of the regiment in the coronation contingent. Two of the men whose names are included in the list are Sergt. Major Lamb and Sergt. Herbert Smith.

Alec Donald, who sailed from Hallfax on the transport Cestrian for South Africa, wnote home just before starting, that the St. John boys were deeply grateful to Robert B. Colwell, now manager of the Dominion Express office at Hallfax, for a lavish donation of New Brunswick maple sugar. Donald says it was the last maple sugar they will taste for many a day.

The music festival charms committee.

a day.

The music festival chorus committee met at Mrs. Chas. F. Harrison's residence last evening. Honorary membership tickets will be printed immediately and issued to ail wishing to become honorary members at \$1 each. Only those who hold these tickets will be allowed to attend public rehearsals. Mr. Ritchie will conduct the rehearsals until a successor to Dr. March is permanently appointed. Practice tonight at 8 o'clock.

GENICHAL

GENIGRAL.

Reports that are already in go to indicate that the government of the North-West Territories will be sustained by about sixteen majority.

Salvage damages to the amount of \$75,000 have been awarded to the officers and crew of the steamer Karls-ruhe, which towed the steamer Neckarlsta. ruhe, which into Hallfax

Tammany executive has voted in fav or of naming a triumvirate to manag

or of naming a trium/late to manage that body.

E. Stone Wiggins claims that he predicted the great cruption of Mount Pelee in 1888.

The conference at Ottawa between representatives of the dominion and provincial governments on jurisdiction over the fisheries has terminated. The meeting resulted in an understanding that it is possible to reach an agreement under which jurisdiction shall be divided. The conference will be resumed after the premiers have returned from the coronation.

KILGOUR SHIVES.

CAMPIBLITON, N. B., May 21.—
One of the largest crown land transactions which has ever taken place in eastern Canada has been practically closed, wherely Kilgour Shives acquires from A. H. Campbell and others of Toronto, (the "Muskoka Lumber Company") all their crown lands in the provinces of New Brunswick and Quebec, amounting to about 476 square miles in New Brunswick and 109 square miles in Quebec.

Mr. Shives' former holdings were 257 square miles in New Brunswick and 130 square miles in Quebec, and this transaction 1012/28 him the largest holder of crown lands in New Brunswick.

"HONOR TO WHOM HONOR IS

(Elliott Flower in Brooklyn Eagle.)
The fashionable dressmaker really thought she ought to have a distinctive trademark, so she consulted the artist. He gave the matter houghtful consid-"How would a figure of Eve do?" he

"How would a figure of Eve do?" he seled at last.
"Eve!" she cried, "Good heavens! If my patrons modeled their attire after that of Eve where would I be?"
"Considering the matter superficiality" replied the artist, "you would seem to be right, but did it ever occur to you that if it hadn't been for Eve's little indiscretion there would be nothing doing in your line at all? I cannot think of anyone to whom you ove a greater debt in a business way or whom you could more fitly honor in your advertisements."

Bicyclists and all athletes depend on BENTLEY'S Limiment to keep their joints limber and muscles in trim.

PUSHING THE SCOTT ACT.

Rev. 3. 3. Colter is pushing his crusade in Fredericton against Scott Act violators. Peter Bleakney of Wordstock has been working for some time to secure evidence, and his hand

### CANADIAN PACIFIC

HOLIDAY RATES.

SINGLE FARE
FOR THE ROUND TRIP. Between all points in Canada on the CAMADIAN ACIPIC RAILWAY East of Port Arthur. Tickets on sale May 23rd and 4th good for return until May 26th, 1902.

THE SHORT LINE MARITIME PROVINCES

MONTREAL, OTTAWA, TORONTO, Etc. For tickets, time tables, etc., call W. H. C. MACKAY, Ticket Agent, 48 King street, St. John. C. B. FOSTER, Dist. Passenger Agent.

VICTORIA RINK. ST. JOHN, N. B. SATURDAY EVE., May 24

Mounted Sword Gombat In Steel Armour.

CAPTAIN DUNCAN C. ROSS. hampion of the world undertakes to defeat

SERGEANT W. C. BARBER.

champion of England and AN UNKNOWN KNIGHT who will represent New Brunswick.

There will also be mounted

### Wrestling and Boxing

to the Province, for Handsome Tro Mounted Combat in steel armor has been presented to the people of New Brunswick.

Admission 250.

Reserved Seats 350. For sale at usual places throughout the

Think I Oan Give You

Than you can get elsewhere. Horses to let-of every description, also coaches at any

J. B. HAMM, 134 Union Street. Telephone Me. 11.

DAVID CONNELL.

BOARDING, HACK AND LIVERY STABLES.
45 and 47 Waterloo St., St. John, N. B.
Horses and Carriages on Hire. Fine Fit-outs
at short notice.
A large buck-board wagon, seats fiften to
twenty people, to let, with or without horses.
Telephone 98.

DAVID WATSON. BOARDING, HACK AND LIVERY STABLES Coaches in attendance at all boats and

Horses to hire at reasonable terms 91 to 95 Duke Street. Tel. 78 HOTELS.

HOTEL DUFFERIN.

E. LeROY WILLIS, St. John, N. B

J. J. McCAFFREY, Manager. STEAMERS, ETO.

Star LineS.S.Co.

(BASTERN STANDARD TIME.)

One of the Mail Steamers, VICTORIA and DAVID WESTON, will leave St. John, North Bind, for Fredericton and intermediate landings every morning (Sunday excepted) at 8 of clock, and will leave Fredericton every. norming (Sunday excepted) at 7.30 o'clock. Freight received daily up to 6 p. m.

R. S. ORCHARD,

MILLIDGEVILLE FERRY.

Stmr. MAGGIB MILLER will leave Millidgeville daily (except Saturday and Sunday) at 9 a. m. and 4 and 6 p. m. Returning from Baywater at 6 and 9.43 a. m. and 4.45 p. m. SATURDAY—Leaves Millidgeville at 6.45, 9.30 a. m. and 3, 5 and 7 p. m. Returning at 5.30, 7.30 and 10.15 a. m. and 3.46, 6.45 and 7.4 p. m. SUNDAY—Leaves Millidgeville at 9, 19.29 a. m. and 7 p. m. JOHN McGOLDRICK, Agent Telephone 228a.

Telephone 228a.

ViCTORIA DAY.

Leave Milliageville at 7,30 a. m., 9 a. m., 10,30 a. m., 2 p. m. and 6.15 p. m.

Returning from Bayawater at 2,15 a. m., 9,45 a. m., 11,16 a. m., 6.30 p. m. and 7 p. m.

was shown in the Fredericton police court yesterday, when he gave evidence against one John McCoy. The case is still on. After it is over, a complaint against Howard Crangle will be tried. In this case, too, Bleak-ney will, it is said, be the chief witness. Five clergymen were present in court yesterday while the McCoy case was on,

SAW THROUGH JAKEY'S GAME.

(Puck.)
Cohenstein-How was our leetle Chakey
dis etening?
Mrs. Cohenstein-Not any petter undt 1
hat to gif him ten zents for efery doze of
medicine he takes.
Cohenstein-Mon Gott' Voman. do your
vant to make him a chronte invalit?

26 例此。