

The Call SATURDAY, MAY 9, 1896

MARKET STREET TROLLEY CARS.

AMUSEMENTS. HALLOWEEN THEATRE--The Strange Adventures of the Blue Bird...

Cable to Be Supplanted by the Rosenholz System.

AN ECONOMIC METHOD.

No Loss of Power and Everything Out of Sight and Sound.

SWITCHING OF THE CURRENT.

Negotiations Pending With Prominent Cable Companies in New York and Chicago.

PICNICS AND EXCURSIONS. HOI AUKI THE GREAT MOUNTAIN--The First Anniversary Excursion and Family Picnic...

AUCTION SALES. BY F. T. KREMER--This day (Saturday), Rare Old Curios at 419 Kearney street...

CITY NEWS IN BRIEF.

The weather forecast for to-day is fair, warmer at night with fresh winds. A petition for final distribution has been filed by the heirs of the late Kate Johnson...

Judge Slack has refused to remove Frank Matthews from the guardianship of Peter Owen Matthews. A white girl declares that she prefers to work in a Chinese factory rather than in the employment of a white man...

Thomas M. Kelly's will was filed yesterday. He left the entire estate, valued at \$1100, to various Catholic charities. It is expected that the new San Francisco Postoffice will be constructed entirely of California materials and products...

Mayor Sutro charges the "octopus" with stirring the movement for a 2 1/2 cent fare through the Richmond District. An unexpected rise in Comstock stocks caused the failure yesterday of Brokers Edgar L. Atkinson and Charles P. Hixson...

The Grand Jury yesterday indicted a crook, and the court ordered the indictment on the secret file pending the arrest of the person indicted. A concert is to be given at Golden Gate Hall, the 25th inst., by the Saturday Morning Orchestra...

The Woman's Auxiliary of the Board of Missions of California convened at St. Luke's Episcopal Church yesterday morning and afternoon. Three favorites captured purses at Ingleside yesterday. The winners were: Montgomery, Cornelius Schmitt, Peter H. Wawona and George Miller...

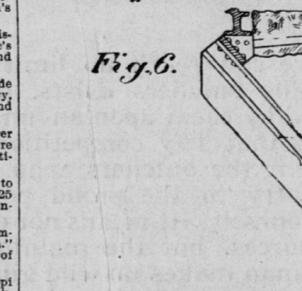
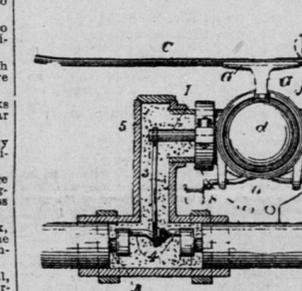
J. T. Flynn, the alleged father and murderer of baby Browning, is being examined before Judge Low. Some new and important testimony was elicited yesterday. Henry N. Northrop, who pleaded guilty to forging the name of Jesse D. Grant to a \$125 check...

The electrical device for an underground trolley just perfected by Alfred Rosenholz of this city seems destined to revolutionize the electric street railway systems of the United States.

The inventor, Mr. Rosenholz, being a resident of San Francisco, naturally gave the Market-street Railway Company the first opportunity for using the patent on its numerous lines, but since then some of the wealthiest street railway corporations of the East have been bidding for the new device...

There are a few underground trolley systems now in operation in some of the Eastern cities, but they have proved so expensive that in many instances the overhead trolley has been substituted.

Therein lies the inevitable success of the Rosenholz system. The expense is reduced to the minimum over both the present overhead trolley and the underground wire. The result is accomplished in the simplest manner, as will appear from a perusal of the following detailed and technical description: The underground trolley wire operates in sections. After the car passes over a section the current is shut off in that particular section by an automatic device and is not on until the next car strikes it. It will be seen from this that the electric current is



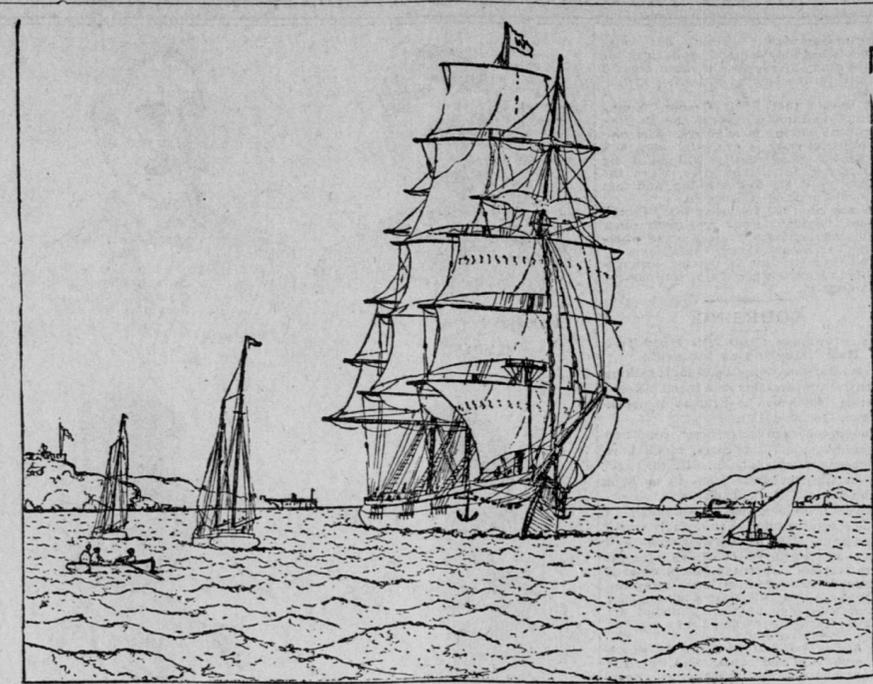
The Two Diagrams Show the Lateral and Longitudinal Sections of the Underground Trolley-Wire; "K" the Wheel Connecting the Car-Motor With the Trolley; "B" the Arm and Weight Controlling Wire and Switch; "C" the Position of the Trolley Between Sections.

utilized only in that section of the trolley over which the car is passing at the time. With the present overhead and underground systems the current is perpetual; constant; no saving of power can possibly be made.

It can easily be applied to the tunnel or conduit of any cable road, the trolley wire displacing the cable and being attached to automatic electric switches placed at proper distances within the conduit. These switches, which are hermetically sealed and absolutely watertight, are attached to the insulated main feed wire, and when in their normal position cut off the current to the trolley wire. When the trolley, which is placed beneath the car, depresses a switch the current passes along a short section of the trolley wire and the switch is held in its temporarily depressed position by an electro-magnet included within it, until the next switch is reached and similarly depressed, and so on for the entire length of the line.

This ingenious and effective arrangement perfectly eliminates "sparking" and renders a road so equipped ultra economical, as the trolley wire is not charged with electricity except when a car passes along and depresses a switch, when, as before stated, a short section only is "alive," and then merely for a few seconds. This effectively prevents the enormous waste of power so disastrous to the financial success of other underground trolley lines and will permit of the profitable running of roads when with any other system of operation such would be impossible.

Through the excellent insulation obtained in this system, which Mr. Rosenholz has brought down to practical perfection, a much higher voltage can be used than heretofore, resulting in the saving of much weight in copper-wiring, which is a large item of cost in the equipping of electric railways. Very ingenious and practical methods for attaining his purposes have been used by Mr. Rosenholz as can be seen by the manner in which he prevents waste of power at points where the conduit might become flooded with water and clogged with the refuse of the street. It can easily be seen that the overhead trolley wire, which is constantly charged with electricity, cannot be nearly so econ-



The American Ship Elwell Which has Again Broken the Record for a Round Trip to Nanaimo, B. C. She Beat the Bark Wilna's Time by Nine Hours.

omical to operate as the practical switch system herein explained. In fact, overhead electric wires are already doomed. The authorities at Washington (D. C.), New York and Boston have ordered them removed, as they have become an intolerable nuisance in those cities. Ordinary underground trolley systems, so far as their actually doing the work is concerned, are now being successfully operated in the East and in Europe, but the mere placing of the crude and unprotected live trolley-wire in a damp conduit is even less economical than the overhead wire, as the supporting insulators, being subjected to a constant strain and under unfavorable climatic conditions must cause a great loss of power every twenty-four hours and greatly increase the consumption of fuel at the power-house.

The method of Mr. Rosenholz, permitting only of the sectional and temporary charging of the trolley wire, promises a speedy revolution in the construction and operation of electric roads.

E. H. Poehman, who represents Mr. Rosenholz, said: "The Market-street Railway Company had the first call on the patent, and has it yet, for that matter, and the system would be in operation now were it not for certain obstacles. What are those obstacles? The overhead trolley

ALONG THE WATER FRONT

Another Record for the Trip to Nanaimo, B. C., and Back Broken.

THE ELWELL WINS AGAIN.

Graduating Doctors Had a Most Pleasant Excursion Around the Bay.

Another round-trip record between here and Nanaimo, B. C., has been broken. The ship Elwell made the double run from anchorage to anchorage in 15 days 21

will be a good test of her sea-going qualities. The Rufus E. Wood, with a load of coal for the Dunsmuirs, attempted to dock at Folsom 2 yesterday. She stuck in the mud when a few feet from the wharf and had to wait for the next tide before she could get up to the bunkers.

The stock of Australian coal is very low in this market and the chances are that in a few weeks it will be completely exhausted. There is a strike on in the Newcastle collieries and vessels are leaving there every day in ballast. The Golden Shore, Palmyra, Newsboy, Sonoma and Harvester are now on their way either to Honolulu to load sugar or to Puget Sound to load lumber. Only one American vessel is likely to get a load and that is the Colusa. She is under charter and will simply lie at the wharf claiming demurrage until the cargo is put aboard.

The hosts were: Drs. S. G. Bransford, Rose McGeech, Blanche Bolton, C. F. Gladding, F. Wallace, E. E. Hicks, A. Neal, A. Bond, E. Cooper, G. D. Pratt, H. Fuchs, R. A. Cranston, L. Francis, G. W. Bryant, T. O. McSwain, R. F. Scott, G. E. Hall, J. A. Born. Guests--Dr. H. L. Dietz, Dr. B. Peery, Dr. G. J. Coates, Mrs. C. F. Gladding, Mr. and Mrs. Harry Hayward, Mr. and Mrs. Fred Hayward, Fred Easton, Miss Maggie Easton, Mrs. Bertha Hubbard, Mrs. J. J. Van Eaton, Miss Jennie Corbett, Miss Mary Robertson, Miss Stewart, Miss M. Brown, Dr. F. N. Folsom, Dr. Tisdale, Dr. E. H. Merzer, Dr. E. Lake, C. E. Curtis, Dr. Peary, Dr. Victory Derrick, Dr. Hunsaker, Dr. W. O. Wilcox, Dr. Frank Cornwall, Dr. M. H. Logan, Dr. D. Maclean, Dr. Bainbridge, Dr. C. N. Miller, Gona J. Yennimie, F. J. Cranston, Effie Urquhardt, Miss C. W. Francis, Miss E. Lawton, Dr. M. M. Enos, Dr. W. M. Byrnes, Miss Clara Byrnes, Dr. F. J. Van Eaton, Dr. A. Ormsby, S. G. Maclean, E. C. Maclean, A. F. Temple, J. V. Day, Mrs. Dr. L. F. Herick, Miss Ira Herick, Mrs. W. D. Coates, M. B. Bolton, Miss Bertha Brown, Miss Mabel Hughes, Mrs. Frances Raberge, E. Bond, Miss Ida Sherman, Mrs. J. W. Cavanaugh, Miss Bertha Dietz, Dr. G. A. J. Scherer, Miss Vera Hamilton, Dr. G. B. Holzman, Mrs. M. Holzman, Dr. J. A. Kuyken, Miss V. S. Bransford, J. Banford, Miss N. Dickie.

President Colton of the Harbor Commission is determined to have civil service in full swing on the water front before he leaves office. As a move in the right direction he intends having a resolution introduced at the next Legislature which will put the new rule in force. There is no intention of making a continuous job for Democrats, as President Colton intends to make the resolution read that half the appointees shall be Republicans and half Democrats. "It is the only way in which we can reduce the taxation on shipping," said Mr. Colton yesterday. "At the present time the expenses for wharfingers and collectors is too heavy, and while I am satisfied that they are all very efficient men still I think we could do with a less number. It will cost a million to finish the seawall, and we are paying interest on the \$600,000 for the ferry. In order to make a saving and reduce shipping rates then we must begin with civil service reform."

LIFE AT THE CHUTES.

Japanese Parachutes to Be Given Away There To-day. The chutes will be reopened this afternoon after being shut down for five days, during which time the extensive improvements long contemplated on the grounds have been inaugurated. The scenic railway, which is to be nearly two-thirds of a mile long, is springing up in sections, and advantage has been taken of the closing to "wash the water."

To-day all the children attending will be presented with a Japanese parachute, which created such a sensation among the little ones on Mayday. To-morrow a brand new balloon will be launched for the first time, with appropriate ceremonies. It will be christened "Chutes," and its first passenger will be Miss Lela Adair.

Wants Half. William Gaidy Toland, by his guardian, Samuel M. Shortridge, has filed an opposition to the will of Mary E. Toland, in which she leaves almost all of her estate to her son, Hugo Toland. The contestant is a son of Charles Toland, deceased, and a grandson of the testatrix. He asks for half the estate.

NEW TO-DAY.

Advertisement for Standard Shirts, featuring an illustration of a man in a suit and the text: 'STANDARD SHIRTS NB. Wherever you spend your vacation you want to wear the best, the neatest and most up-to-date Outing and Percal Shirts. But you don't want to pay too much. STANDARD SHIRTS fulfill the above conditions. They are made of better material than most shirts, and they are made here in San Francisco.'

Advertisement for Columbia Theatre, featuring 'SUNDAY CALL' and 'FAUST!' with details about showtimes and ticket prices.

Advertisement for AL HAYMAN & CO'S THEATERS, featuring 'EDDIE FOY' and 'THE STRANGE ADVENTURES OF MISS BROWN'.

Advertisement for MOROSCO'S GRAND OPERA-HOUSE, featuring 'THE EVENING AT EIGHT' and 'EDMUND K. COLLIER'.

Advertisement for VIRGINIUS, featuring 'EVENING PRICES--25c and 50c' and 'Family Circle and Gaiety 10c'.

Advertisement for Opheum, featuring 'O'Farrell Street, Between Stockton and Powell' and 'Matinee To-Day (Saturday), May 9'.

Advertisement for The Auditorium, featuring 'The Sensation of the Day! BRISTOL'S HORSE SHOW!' and 'Imported Direct from Europe and the East'.

Advertisement for MACDONOUGH THEATER (OAKLAND), featuring 'Professor Hermann and Anna Eva Fay outside TO-NIGHT and SUNDAY EVENING farewell performance'.

Advertisement for STERLING BICYCLES, featuring 'WHEELS AND PALMER TIRES GUARANTEED for one year. Price \$100. If you want to know more about the Sterling work for your Art Catalogue, write to us'.

Advertisement for TIVOLI OPERA-HOUSE, featuring 'LAST NIGHTS Of Planquette's Romantic Opera, "/>

Advertisement for PACIFIC COAST JOCKEY CLUB, featuring 'FIVE OR MORE RACES DAILY (RAIN OR SHINE)' and 'FIRST RACE AT 2:00 P. M.'.

Advertisement for EL CAMPO, featuring 'THE POPULAR BAY RESORT, Now Open Every Sunday During the Season' and 'Music, Dancing, Bowling, Boating, Fishing and other amusements'.

Advertisement for HAYWARDS PARK, featuring 'A CHOICE MUSICAL PROGRAMME Will Be Rendered by an Orchestra of Talented SOLOISTS'.

Children Cry for Pitcher's Castoria.