

SUBWAY TRACK WALLS TO BE MADE STRONGER TO HELP SUSTAIN HALL

Transit Department Agrees on Solid 4-Foot Steel and Concrete Construction of Rows of Pillars

WILL INCREASE SAFETY

An important change in the design of the Broad street subway structure under City Hall has just been agreed upon by the Department of City Transit to solve some of the engineering problems encountered thus far in the work. The change is the substitution of solid concrete walls between the tracks and supporting the roof of the tube for rows of cast-iron, concrete-filled columns. Under the new design each of the four tracks when completed will appear like a single track subway, and only at a few points, where there will be arched openings in the masonry walls, will the trains on the parallel tracks be visible from the adjoining tracks. The change will bring greater strength and safety at the expense of artistic beauty of construction. Under the original plan the two outside walls of the tube were to be of rod-reinforced concrete 4 feet in thickness. Each of the three inside walls, however, which separate the four tracks and support the roof of the subway, and consequently the weight of a considerable section of City Hall, was to be a row of cast-iron, concrete-filled, cylindrical columns, 4 feet 5 inches in thick and placed about 12 feet apart. The roof of the tube, consisting of longitudinal and transverse steel-plate girders was to be supported on the three rows of columns. In working out the structure of the tube, however, it was found that girders, on account of their size and weight, could be placed in position only with the utmost difficulty. This was found particularly true since the stress and weight must be carefully distributed among the pillars. As the tube will run diagonally under the City Hall the girders will not be parallel to the foundations of the building and will have to be placed on top of the girders. To support this complex structure upon pillars almost 12 feet apart it was found would be to court danger. The change in design was therefore worked out by the department engineers. Under the new plan the two outside walls of the tube will not be changed. The three inside walls, however, instead of being rows of cylindrical columns, will be three solid rod-reinforced concrete walls four feet in thickness. At a few places the walls will be arched to facilitate ventilation and to permit communication between the tracks. The heavy girders, which will be placed across the walls, will be 7 feet in depth and 25 feet in length. The span from one wall to the next will be approximately 21 feet. The girders and the beams above will be filled in between and covered with concrete, so that the roof will be one solid piece of masonry. The importance of strong construction is apparent when it is understood that the new City Hall foundations are to be constructed down only to the top level of the subway roof and the weight of the building will, therefore, be supported directly by the roof of the tube. Engineers working on the new foundations estimate that it will be almost a month before they will have carried their work forward to point where work on the subway proper can be begun.

WOMEN IN KNIFE DUEL AS HUNDREDS LOOK ON

Eight Follows Quarrel Over Ball Tossed by Child—One Negress May Die

A duel with potato knives between two negroes in which both were badly wounded, one probably fatally, was fought last night in North Alder street, in the 2400 block, as a sequel to a dispute over a rubber ball which the daughter of one had inadvertently permitted to roll into the house of the other. The women, now patients at the Samaritan Hospital, are Mrs. Anna Brooks, 30 years old, 2433 North Alder street, and Mrs. Mary Jacobs, 24 years old, of 2428 North Alder street. The former's nose was nearly sliced off, her breast cut with a seven-inch gash, both arms slashed and all her fingers injured. Her adversary is cut on the arms and face. Trouble started when the ball which Evalina Brooks was bouncing rolled into the house of Mrs. Jacobs, who upbraided the girl. Mrs. Brooks came to her daughter's rescue and was met by Mrs. Jacobs, who plunged a potato knife through a cheek, turning it around while it was in the flesh. Mrs. Brooks went to her home and returned with a potato knife. Then the battle began. It continued until the street was covered with blood, milk bottles, lamps, chairs, boxes, buckets and everything else that could be converted into munitions of war. Before the police of the Park and Lehigh avenue police station received a riot call, hundreds of persons assembled and were watching the fight. No one endeavored to assume the role of peacemaker. A squad of six policemen, under command of Sergeant Ames, lost many valuable moments pushing their way through the big crowd, but finally they came to the combatants. It was with difficulty that they were separated. Six uniforms and one light suit will have to go to cleaners. The white suit was worn by Policeman Trudahl. It is now almost red. When the women recover—if they do—they will be arraigned before a Magistrate on charges of aggravated assault and battery. William Jacobs and Henry Bangs are being held as witnesses.

A. B. Thaw and Girl Fall in Biplane

NEW YORK, May 31.—Alexander Blair Thaw, 2d, son of Mrs. Benjamin Thaw, of New York and Pittsburgh, and brother of Lieutenant William B. Thaw, of the French Flying Corps, had a narrow escape from injury yesterday afternoon when his biplane sideslipped in landing at Hempstead Plains aviation field. Miss Edna McClintock, his cousin, was with him as a passenger. Neither was hurt.

Early Dynamos

The principle of electro-magnetic induction, on which the operation of the dynamo electric machine is based, was discovered by Michael Faraday, of London, in 1831. The first machine to give continuous current was that of Sir Charles Wheatstone, in England, in 1841. One of the earliest successful dynamos was that of Siemens, in 1866. Gramme invented the ring winding in 1870.

Leg Comfort

Don't suffer from Varicose Veins, Leg Ulcers, Weak Ankles, Swollen Feet, or other leg troubles which need constant care. **WOMEN'S LACED STOCKING** will make you happy. They are made of the finest materials and are comfortable, durable, and washable. They are made to measure, without elastic. They are made in sizes for women, or two for the same limb, \$2.50, and for men, \$3.50. They are made in all colors and are made to order. Call on the nearest dealer or write for a free sample. **WOMEN'S LACED STOCKING** is made in Philadelphia, Pa. **WOMEN'S LACED STOCKING** is made in Philadelphia, Pa. **WOMEN'S LACED STOCKING** is made in Philadelphia, Pa.

THEATRE BUILDING ABLAZE

Scranton's Entire Fire Department Fights Fierce Flames. SCRANTON, Pa., May 31.—Every piece of fire-fighting apparatus in the city was called out early today to give battle to a blaze that was discovered in the Victoria Theatre Building on Lackawanna avenue. The ground floor is used for moving picture show. Firemen carried A. Krupowitz, a photographer, from his sleeping apartments. He was badly burned. For a time the entire block in the heart of the business centre was threatened, but the fire department finally got the upper hand of the blaze. The loss will run up to \$20,000.

To Get Diploma and Wife

Pierce S. Ellis, of Hurlock, Md., who has been attending the Crozer Theological Seminary at Upland, will be married immediately after his graduation early in June. The bride will be Miss Edna Epps Shuman, of Richmond.

BATH HOUSES ALONE FAIL TO REAP FROM BIG SHORE THROUGH

Holiday Visitors Timid When It Comes to Entering Surf—Ingenious Method of Advertising City in Use

AUTOMOBILES AVAILED OF

ATLANTIC CITY, May 31.—Memorial Day was successfully observed here by a big crowd of visitors from New York and Philadelphia. There was no set program for the day, but visitors contented themselves with the usual seashore amusements. Happily the rain held off until it was time

for the one-day visitors to leave for home so none of their enjoyment was marred. Hotels all had large crowds; restaurants were packed; the numerous boardwalk amusements profited; the shops were well patronized and the only noticeable decrease in business was at the bathing establishments. None of them fared as well as in previous years. There were eight sections on the early morning excursion trains, with ten cars each, all filled. With the exception of a battery salute by a local military company there were no patriotic exercises, but most of the hotels and cottages were draped with the national colors. One of the leading hotels had a striking set of decorations, with flags strung from the base of the hotel to the top of its high towers. **NEW METHOD OF ADVERTISING.** Residents of this city have adopted a new system of advertising the resort at little expense. Many owners of automobiles are having small signs made with the words

Atlantic City on them. These signs are attached to the top of the New Jersey license tags in such a manner that they look as if they were a part of that tag. It is contended that automobiles on their journeys, when this style tag is affixed to the front and back of the machine, will make Atlantic City stand out as a prominent enough place to have an automobile license tag of its own. Cars from Jacksonville, Fla., used this method of advertising last year, although the tags used were regular license tags issued by that city. J. D. Conway, secretary-treasurer of the Master Car Builders' Association, has arrived here and is busy making preparations for the convention and exposition to be held here in the middle of June. He states that more space has been applied for this year than in any of the previous years and that the exposition will have the best display of working machinery and interesting exhibits of all kinds that has ever been seen in this country outside of big international expositions. Mr. and Mrs. Alexander Watson, who were recently married in Philadelphia, are here for a month's stay and will then occupy their home on South 12th street. Mr.

Watson was Miss Marie Ott before her marriage. Mr. and Mrs. S. Herstein and daughter, of North Broad street, are now occupying their Chelsea cottage and will remain until October. Mr. and Mrs. Beverly R. Potter, of Philadelphia, are here for a stay. Mr. and Mrs. Ernest Jenness have arrived in the Chelsea section and will remain for a month. The Rev. James G. Raymond, of Philadelphia, is here for a vacation of two weeks. Mrs. Edward K. Paden, of West Philadelphia; Mrs. Albert A. Huhn, Miss Adele Huhn and Mr. and Mrs. Edward Smith are among recent arrivals. George V. Massey, chief counsel of the Pennsylvania Railroad, is here for an indefinite stay. Mrs. Edward J. Fox and Edward J. Fox, Jr. are down for a visit. Mr. and Mrs. Henry H. Benedict are among the Philadelphians here. Mr. and Mrs. Eugene Kahn, of Philadelphia, summer residents of the New Jersey resorts for many years, are here booking up all-season reservations at a leading hotel.

MISSIS TARGET, HITS BOY

Youth Practicing Marksmanship to Qualify for Military Organization Wounds Neighbor. In preparing himself to be useful when the United States is confronted by the invader at our shores, Elias Avela, 15 years old, of 5824 North Mascher street, Olney, who has been anxious for months to join some military organization, while practicing target shooting in the rear of his home by aiming at sparrows, brought down Phillip Watkins, 12 years old, 5812 North American street, who was in the yard adjoining. Young Watkins was shot in the leg. The bullet was extracted and the injury is not serious. Avela was arraigned this morning before Magistrate Pennock and held in \$400 bail for a further hearing on June 6. He is charged with aggravated assault and battery. In his target practice he used a .32-calibre rifle.

P
Complete Stocks of
PAINTER & EWING
PIANO CO.
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At a Saving of 33 to 50%
For over twenty years the Painter & Ewing Piano Company manufactured a high-grade piano in Philadelphia and sold their output principally to jobbers and dealers. A short time ago the senior partner, Mr. Edmund Painter, met with an accident while crossing a railroad track in New Jersey, and Lewis K. Ewing, who superintended the factory output, decided to retire from business, making us an offer of his stock, book accounts, patents and everything pertaining to the business, which we accepted. We are now placing the Painter & Ewing stock in our warehouses for sale with a substantial reduction from the original, already fair prices. The beautiful, popular style "O," which was retailed by them at \$300, we will dispose of, while they last, for \$200. Style "L," which was sold at a strictly one price of \$350, we are now placing on sale at \$250. The beautifully constructed style "K," which was sold by them for \$450, we will sell at \$350. Painter & Ewing manufactured two styles of Player Pianos—one a style "R" in a finely finished case, which was sold by them for \$650, we are placing on sale at \$450, and the magnificently constructed style "S," which was priced at \$750, we are now placing on sale for \$475.

Home of Painter & Ewing Piano Co., 1103-05-07 Spring Garden Street
Any or all of the above instruments can be purchased on convenient time payments, if necessary, and the sale of same began on Monday morning, and will continue until all the pianos are disposed of. We will continue the manufacture and sale of the Painter & Ewing Piano, and place our guarantee on each of those instruments sold by us.
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