

# QUALITY BRICK AND POOR WORK YEARS AGO THE CAUSES

### Architect and Superintendent of Construction Both Say Collapse Was Unforeseen and Entirely Unavoidable.

Defective brick and the poor work of a bricklayer 20 years ago is declared by E. B. MacNaughton, architect who has directed the work of remodeling the Marquam building, as the cause of the collapse of part of the sixth street side wall this morning.

"Some bricklayers' bum job 20 years ago, is probably responsible," said Mr. MacNaughton. "That, and the very poor quality of the brick used in the building."

"As the work of remodeling the Marquam had gone forward, we have been astounded at the poor quality of brick used in it. The brick, I understand, came from Mr. Marquam's own brickyard, but it was not suitable for use in a big building."

"Our investigations show that the collapse apparently was caused by some soft brick in the brick pier that first gave way, at about the fourth floor. The first break evidently came there. So far as our investigations show, the underpinning and foundation were all right. All through the work we have taken the greatest possible precautions, and made tests daily to see that there was no settling."

In a formal statement, Mr. MacNaughton said:

**Supports Not at Fault.**

"The first accident to the Marquam building on the sixth street side occurred on one pier, being the second one from the selling building. About 4 o'clock a. m. the old brick under this pier crushed and settled into the basement of the building. From a close examination of the building it develops that none of these supports or underpinning was at fault, but that the accident must have occurred from the condition of the brickwork in this pier at probably about the fourth floor level."

"This underpinning has been a difficult piece of work. Readings were taken daily by Surveyor Greenleaf of all the piers of the building. The greatest care has been exercised throughout in putting in the piers, and every precaution has been taken by the contractors. This accident was something unforeseen, the brick in the piers probably being soft at about the fourth floor level."

"It is extremely fortunate that the accident occurred at the time that it did, when nobody was working on the job and no one has been hurt. The condition of the Marquam building is such that the damage is isolated, and the damage is only to this one pier and adjacent brickwork."

**No One to Blame.**

"The underpinning which was in progress has been just about completed, only about 25 feet remaining to be underpinned, and this would have been in place by Monday evening had not this accident occurred."

"The second collapse at 11 o'clock was really a blessing, for it removed all strain from the rest of the wall and cleared away material that would have had to be removed."

"The balance of the building is thoroughly braced, and all of the rest of the underpinning is in place and completed. As a matter of extreme precaution, although there is probably no danger from this wall, it will be braced to the selling building."

"The contractors and all concerned have taken the greatest precautions throughout the work, and no one is to blame, it being one of those things that cannot be foreseen, and is therefore unavoidable."

**Collapses Was Unavoidable.**

J. M. Dougan of the Sound Construction & Engineering company, the contractors, made this statement:

"As far as we can see, the accident was caused by the crushing and settling of the brick work in the second pier from the alley, on the sixth street side. The underpinning on this portion of the building was practically completed, there being only about 25 feet to complete. The work that has been replaced in the piers is of steel and concrete construction and a two foot cushion of paving brick has been placed on these at about the second floor level and the crushing of the brick occurred in the old brick work at about the fourth floor level. It was absolutely unforeseen and could not be helped. It was absolutely unavoidable. There is no danger in going ahead with putting the building in condition again and it will be a

matter of about 10 days until the damage has been repaired.

"The construction of the building is such that there is only a portion of each unit of the building affected, as all of the underpinning of the rest of the building has been completed."

**Bond Protects Owners.**

The Marquam building is not owned by the Portland Trust company, but by the Northwestern Fidelity company, which bought it last June from the receiver for the defunct Title Guarantees & Trust company for \$750,000. The Northwestern National bank, with which the Portland Trust company will be consolidated, is to move into the sixth and Morrison street corner by the first of the year.

The Northwestern Fidelity company is fully protected from the accident, the contractor being under heavy bond. Directors of the Fidelity company are H. L. Pittock, Charles H. Carey, Emery Olmstead, John Twoby, F. D. Farrell, P. W. Leadbetter and L. B. Menefee. The building was erected in 1889.

## BIG CAVE-IN WRECKS MARQUAM BUILDING; SCORES MENACED

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once that the second collapse was really a blessing, as it removed the last element of danger to the rest of the building.

"It has removed the strain from the wall of the corner tower at Sixth and Morrison streets," said Mr. MacNaughton. "and brought down everything that was weakened by the first collapse. It has carried away a clean strip from the first floor up to the roof, and there is no strain anywhere. All this part of the wall and the brick supporting columns in it would have had to be torn down anyway, a work which would have been dangerous to the workmen. It could not have happened better for us."

**Best of Building Safe.**

"All that will have to be done now is to rebuild the wall. It will rest from the first on the steel columns put in on the first floor, and will be a very simple construction task."

Mr. MacNaughton declared there is absolutely no danger to the rest of the building. In this he is backed by R. E. Kraemer, chief inspector of construction for the city. Kraemer made a thorough inspection of the building early this morning after the first section of the wall had fallen.

"I don't consider the architect or the contractor at all to blame," he said. "The accident was that was possible. It was an accident that could not be foreseen and impossible to prevent, and it does not in any way involve the safety of the building."

"The peculiar construction of the Marquam building insures the safety of the rest of the structure, even if the entire east side on Sixth street should fall out. The building is cross-braced with heavy brick supporting walls, making each section almost a separate building in itself. These heavy walls save the rest of the structure from being damaged and localize the damage to a single unit."

**Can Rebuild Wall.**

"The wall can easily be rebuilt, and made much safer than ever. No other building in town is constructed in this respect just like the Marquam building. The builder was an army engineer, and the same man who built the famous old Palace hotel in San Francisco, which, like the Marquam building, was a brick structure."

"This engineer put up the building in units, that can be better compared to the water tight compartments in a modern steamship than anything else. These compartments are formed by solid brick walls that cross the building every 16 feet in both ways."

"The collapse of the outer wall and offices on the sixth street side extended back over the first of these compartment walls. Sixteen feet behind that is another similar wall, which the architect says absolutely insures the stability of the structure."

"For three months the work of placing steel supporting columns under the Marquam building, each resting on a firm concrete foundation, had been in progress. All this work had been completed except for a 25 foot section along Sixth street, where wooden underpinning was temporarily in place. It was directly over this pinning that the first break occurred."

The remodeled building was to have been turned over to the Northwestern Fidelity company on December 15, and the last steel column would have been in place by next Monday.

## ACCIDENT REQUIRES NEW ROUTING OF THE CARS

As a result of the accident to the Marquam building four lines of streetcars were affected and the routing had to be changed. The Mt. Tabor and Sunny-side cars until further notice will be routed on the Third and Yamhill loop; the Montgomery cars will be operated between Sixteenth and Montgomery streets and Seventh and Morrison, and the Willamette Heights cars will switch back from Seventh and Morrison streets while the Portland Heights cars will run to the union depot to handle the passengers formerly accommodated by the Willamette Heights cars.

## NEW STEEL PORTION MAY BE CONSTRUCTED

Directors of the Northwestern Fidelity company, which owns the Marquam building, are holding a meeting this afternoon, at which it may be decided to wreck the entire east half of the Marquam building and put up a modern steel frame or concrete structure.

The meeting was called by Emery Olmstead. The construction of a new building is being seriously considered.

Other directors of the Northwestern Fidelity company are H. L. Pittock, F. W. Leadbetter, L. B. Menefee, J. O. Farrell and John Twoby.

The west half of the building is said to be perfectly sound.

## SWITCH ENGINE KILLS O.-W. MAN AT GIBBON, OR.

(Special to The Journal.)

Pendleton, Or., Nov. 21.—William M. Lamson, aged 55, a contractor in the employ of the O.-W. R. & N. railroad, was instantly killed last evening at Gibbon, Or., when a switch engine, backing along the track, struck and ran over him. He was crossing the track at the time. He has a wife and three daughters living in The Dalles, 1208 Vine street, and the body will be sent there. The coroner's jury returned a verdict of accidental death and did not blame Engineer Bert Anderson.

Convicted of Selling Mislabelled Eggs

W. Clemens, a market man whose place of business is at Third and Alder streets, was found guilty of selling cold storage eggs labelled "fresh" by a jury in Justice of the Peace Olson's court last night and was fined \$25. Deputy District Attorney Michelet prosecuted the case.

## RECORD CROWDS IN ATTENDANCE AT PRODUCTS SHOW

### 10,000 People See Exhibits in One Day; "Greater Portland Day" Observed; Judges Have Big Job on Hands.

The important relation between land products, home industry and Greater Portland, is the subject for attention at the Pacific Northwest Land Products Show today.

It is officially known as "Greater Portland Day" in the big building on East First and Morrison streets. Signs that show the support of the organizations for the plan of the Greater Portland City association, which is also now the city official plan, are grouped across an end of the main exhibit room. Booklets descriptive of the plan are being distributed under the direction of R. F. Risinger. That the development of the northwest will be chief cause of building the Greater Portland and there is consequently an intimate association of interests is the reason assigned for the demonstration.

The manufacturers of Oregon gathered in convention today, made attendance at the land show a special order of business. As a return courtesy the State Horticultural society and exhibitors have merged their elaborate plans for a banquet tonight with the banquet plan of the Manufacturers' association, and there will be one larger banquet in the Commercial club.

Guests of Commercial Club.

The exhibitors of the land show were guests of the Commercial club for luncheon at noon today.

The attendance continues to pass all expectations. Interest shown by Portland people and the comments of thousands that never before have they realized the vast soil wealth of the northwest, have been especially gratifying features.

The number in attendance yesterday was very close to 10,000.

The Harriman Day parade proved a great feature of attraction. Members of the Transportation club attended in a body last night. Attendance today is expected to be still larger with the delegations from the Greater Portland Plans association, Ad. Rotary and Progressive Business Men's clubs and the Realty Board.

The morning program of the annual meeting of the State Horticultural society was occupied by an address on the "Standardizing of Grade, Pack and Packages for Apples," delivered by C. E. Whittier, one of the best known authorities on this subject, from Medford. Discussion was led by C. A. Malbecoff of Portland and W. W. Lytle of Beilleville, Wash.

**Oratorical Contest Today.**

This afternoon the oratorical contest for \$100 in cash prizes between the students of the Oregon Agricultural college is to be the chief subject. This feature last year was voted the most interesting part of the program.

The judging of exhibits at the land show proceeded with some delay because of the multitude of exhibits. The judges have had more than they could do. Announcement of awards in the international potato championship contest, for single and general apple and land product exhibits is expected tomorrow. The officers of the Horticultural society are to be elected this afternoon. In an address before the society yesterday afternoon Professor C. E. Lewis of O. A. C. predicted that the production of loganberry juice for commercial purposes will become a great Oregon industry.

## MADE-IN-OREGON GOODS CAMPAIGN GIVEN IMPETUS

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all directions. Nothing is more important to the development of Oregon than the prosperity of her manufacturers."

**Governor's Proclamation Read.**

At the conclusion of his speech, Secretary S. B. Vincent read Governor West's recent proclamation, making today "Home Industries day" in Oregon, and in which the state's chief executive called on the citizens to demand made in Oregon goods and cooperate in enlarging the markets for such goods. Then followed the reading of the proclamation issued by Mayor Rushlight to the same effect, and addressed to the citizens of Oregon.

Joseph N. Teal, representing the governor, was the next speaker. He conveyed a message to the effect that Governor West stands ready to aid in every way Oregon manufacturers.

D. Solis Cohen, speaking for the mayor, gave the same pledge, and said in part:

"Manufacturers' organizations are of most importance in benefiting the state. For almost 20 years the manufacturers of Oregon have been working to educate the people to the need of protecting their own home industries. You have been struggling against great odds in a community that in a degree is ungrateful. The warehouses, docks and stores I consider as stones in a monument to the manufacturers."

**Much Coin Sent East.**

"And yet the local stores do not try to push made in Oregon goods. The families who make their living in our factories as a general thing do not insist on the purchase of goods made in Oregon. Hundreds of thousands of dollars are sent east for goods made outside the state when articles as good and better and no dearer are made in Oregon."

Mr. Cohen was followed by A. H. Devers, who in discussing his topic, "The Manufacturers' Association," reviewed its history. From its organization 18 years ago, and advocated the land and money bonus system to attract new factories. This system, he said, has proved a good investment, as far as it has been pursued. He also took a firm stand for a campaign of education, and suggested advertising in various forms, including fairs, street displays, and general publicity.

**Would Advertise to World.**

R. W. Raymond, chairman of the Manufacturers' committee of the Chamber of Commerce, chose for his subject, "Efficiency in Manufacturing." During the course of his remarks he declared the efficiency of workmen in various crafts in Portland was from 17 per cent to 20 per cent greater than those of the east. These figures, he said, were arrived at only after exhaustive tests. Equitable climate, with cool nights following warm days, he asserted, was largely responsible for higher efficiency in Oregon.

The people of Oregon were characterized as a large family by State Labor Commissioner Hoff, who stated that employer and employe have undivided interest.

My advice is that you advertise to

the world at large what you have and then show it," said he.

Among those scheduled to make addresses at this afternoon's session are: City Superintendent of Schools Frank Rigler, State Treasurer T. B. Kay, Mrs. E. T. Weathered, F. C. Knapp, president of the Portland Chamber of Commerce; F. E. Beach, Joseph N. Teal, Superintendent J. W. Campbell of the Southern Pacific; President Young of the Hill lines, George M. Cornwall and W. T. Buchanan.

## MEMBERS TO FEAST ON HOME PRODUCTS AT BANQUET TONIGHT

A banquet, which will be a strictly "Made in Oregon" affair, will be held this evening at the Commercial club. Following the convention, and Colonel David Dunn will act as toastmaster. The viands for the feast will consist exclusively of Oregon products.

During the evening moving pictures of Oregon industries and scenes will be shown by the American Lifeograph company, an Oregon concern, and solos will be sung by Frank J. Hennessy and Dominick Zan.

Among those scheduled to deliver set addresses are: John F. Carroll, "The Manufacturers' Association From the Viewpoint of the Newspaper Men"; Edgar B. Piper, "Made-in-Oregon Movement and Its Relation to Upholding of the State"; Marshall N. Dana, "After All Is Said"; Will F. Lipman, "Made in Oregon—How a Department Store Can Help the Movement"; Mrs. Edith Kellogg Hartlett, president Marion County Woman's Home Consumers' league, "What Women Can Do"; Mrs. I. H. Therkelsen, "Woman's Place in Home Industries Camp."

Short talks will be made by County Judge T. J. Cleeton, C. C. Colt, president of the Union Meat company, and C. W. Hodson, a well known real estate man.

## TURKISH BATTLESHIP HAMIDIEH REPORTED SUNK BY BULGARIANS

### Many Turks Said to Have Been Killed When Torpedo Boat Blew Up Vessel.

Sofia, Nov. 21.—It is reported here that a Bulgarian torpedo boat has blown up the Turkish warship Hamidieh, and that many Turks were killed.

Turkish advices say that four Bulgarian torpedo boats attacked the Hamidieh and that two of them were sunk and the other two drew off badly damaged. The Bulgarians claim the Hamidieh sank.

**Guns Heard Off Bosphorus.**

Budapest, Nov. 21.—Constantinople dispatches say the sound of guns at sea is audible at the southern entrance to the Bosphorus. No explanation is given. The Bulgarians retreated today four miles to trenches outside the Tchatalja fortifications.

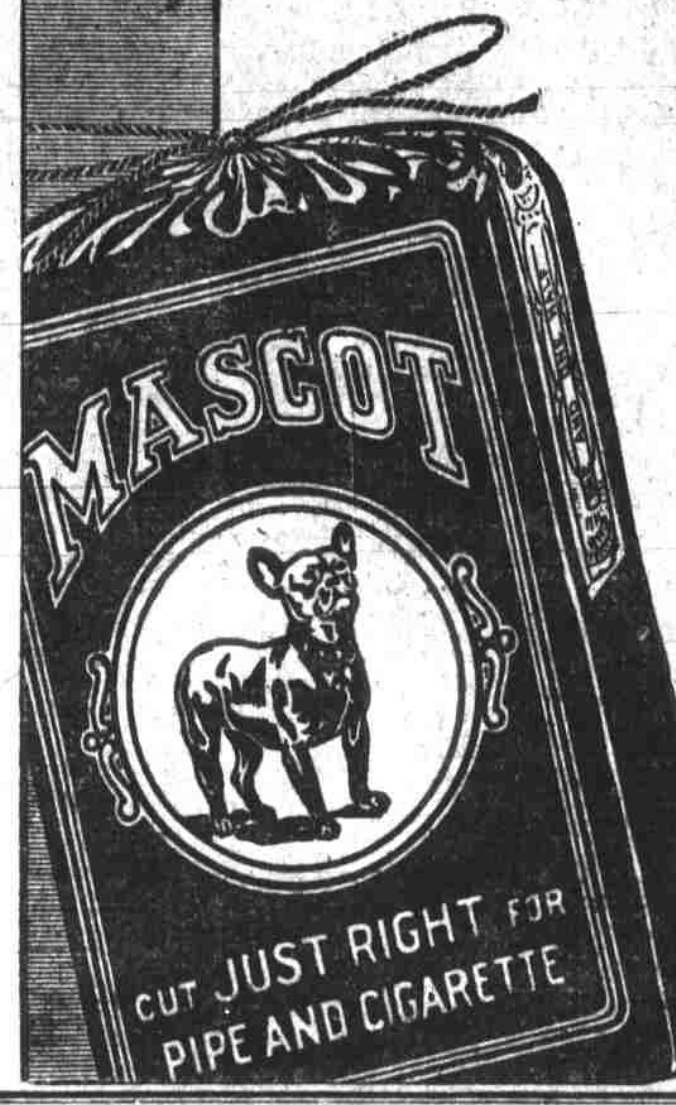
**Aviator Frey Is Killed.**

Rhemes, France, Nov. 21.—Aviator Frey, victim in the recent Paris-Rome flight, fell from his aeroplane here today and was killed.

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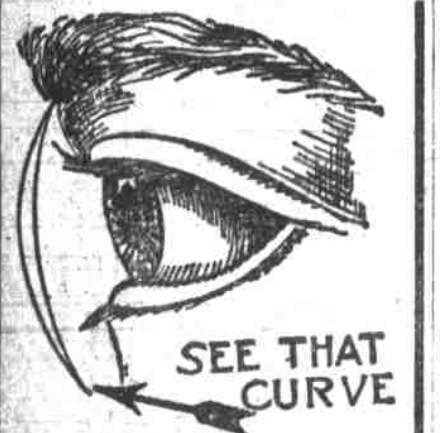
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