

WEAK WELDING CAUSED BLOW UP OF BARR TANK

Report of C. D. Thomas, chief boiler inspector for the state bureau of labor, who has examined the cause of the explosion which took place last week at the plumbing establishment of Theo Barr on South Commercial street, was made public today. The chief reason for the explosion, as indicated in the report, is that the tank from which the steam emerged was welded together in such a way as to allow the parts to separate, permitting the water to seep out.

"Housewives need have no concern about the hot water tanks used in their homes," the report reads in part, "such tanks are generally of the required material and properly constructed. Many housewives become nervous when steam issues from the hot water faucet, fearing an overpressure on the tank might cause an explosion."

The report indicates that such a danger is extremely remote. Mr. Barr stated at the time the accident occurred that it was caused, in his opinion, by the fact that the parts of the tank were welded together where they properly should have been riveted. The report states that along the sides particularly, where the water came through, the welding was weak.

Barr's tank was equipped with a check valve to keep the water from passing back into the pipe. This might have resulted in high pressure on the tank, it is said, had it not been for the fact that the tank was also equipped with a safety valve, approved by the inspector, kept the pressure from going above 100 pounds. While the ordinary hot water tank installed in Salem hotels does not have a safety valve, neither does it have a check valve, and any high pressure would simply force the water back into the pipe rather than causing the tank to burst.

Barr declares that if mere expansion of water had forced the tank open it would have opened earlier in the day when the water was heating and expanding. What actually happened, he says, was that day after day the expansion and contraction of the water within the tank worked the welding loose. Had it been slightly stronger, it might have lasted longer, and the accident occurred when the shop was full, with a resulting loss of several lives. The water, finally allowed to flow through the crack, was immediately transformed into steam when the pressure was released. Water always transforms into steam more easily at low pressure than at high pressure, which is the reason why the housewife sometimes gets nothing but steam from the faucet, when there is nothing but water in the pipe.

The water, changing into steam, had the effect of a strong push, which did damage to the shop estimated at \$2500.

The establishment is being rapidly repaired, new windows having been put in at the front and along the north side, where they were completely demolished. Parts of the north wall that were torn loose have been replaced.

COUNTY ATLAS

ISSUED IN 1878

County Treasurer Drager has in his possession for safe keeping left by James Anderson of Salem, an atlas and history of Marion and Linn counties issued in 1878. The atlas contains a large number of steel engravings of early farmhouses of the county, including among others the John Johnston place, West Woodburn, Francis Peller place, Woodburn, Perry Watson ranch, Rosedale, Louis Pettyjohn ranch near the present golf links; Jesse Loney ranch near Jefferson, the Casper Zorn ranch and J. H. Settlemier nursery company, the latter near Woodburn.

FALSE TEETH SAVE OWNER JAIL TERM

San Francisco, Cal., Aug. 28.—False teeth may have many drawbacks but they saved Frank Glaser a possible sentence for possession of liquor. Glaser was arrested because a cup of whiskey was found in his kitchen. He was called to police court today.

Decides On Best Life Insurance

"Five years ago I was refused life insurance because of my heart symptoms. Doctors said it was caused from a pressure of gas that came from my stomach, but their medicine did not help me and I was getting worse all the time. Three years ago my druggist recommended May's Wonderful Remedy. I took a course of it and believe it is the best life insurance anyone can buy. It helped my trouble at once." It is a simple, harmless preparation that removes the catarrhal mucus from the intestinal tract and always the inflammation which causes practically all stomach, liver and intestinal ailments, including appendicitis. One dose will convince or money refunded. J. C. Perry, D. J. Fry and druggists everywhere.—Adv.

ON THE AIR

SATURDAY NIGHT (Pacific Time)
KGW, Portland Ore., 491.5—6-8 P. M., Prasp's Society Five from the main dining room of the Portland hotel; 10-12, Prasp's Society Five from the main dining room of the Portland hotel.
KGO, Oakland, Cal., 361.2—8:10 P. M., diversified musical program; 10-11, Hotel St. Francis dance orchestra.
KPO, San Francisco, Cal., 423.2-635 P. M., Waldemar Lind and the States restaurant orchestra; 8-12, Jack Conkley's Cabarets.

SUNDAY (Pacific Time)
KGW, Portland, Ore., 491.5—10:25 A. M. to 12—Services from First Presbyterian church; 7:55 P. M., evening services by direct wire from First Church of Christ, Scientist, of Portland.

BOOTLEGGER OF AIR MURDERED

Chicago, Aug. 28.—(AP)—Irving Schlig, suspected as the mysterious airplane bootlegger plying between Canada and Chicago and Harry Bernam, identified by the police as a gunman and robber, were shot to death near the Ashburne aviation field in the southwest corner of Chicago early today.

COOLIDGES AT PLYMOUTH ROCK

Swampscott, Mass., Aug. 28.—(AP)—The Mayflower, with President and Mrs. Coolidge aboard sailed today for Plymouth, Mass., where the Pilgrim Fathers landed more than 300 years ago.

The trip was arranged to permit the executive to visit historic points in and around Plymouth and to motor from that place to Cohasset for luncheon with C. W. Tarron, publisher of the Wall Street Journal, before returning to White Court.

Mr. and Mrs. Coolidge had as their guests Secretary and Mrs. Sanders, Colonel R. A. Cheney, military aide, and Major James F. Coupal, the president's physician.

MARINE GIVEN 2 YEARS FOR NOT BATHING

Washington, Aug. 28.—(AP)—Private George E. Beam, a member of the marine guard of the summer White House in Swampscott, has been sentenced to two years in the navy prison at Portsmouth, N. H., on the charges of conduct to the prejudice of good order and discipline, being absent without leave for 14 hours, slandering, including remarks derogatory to the service, breaking arrest and refusing to bathe when under arrest.

The original offense, that of being absent without leave, was committed in June. The prison sentence was fixed by a general court-martial at 2 1/2 years but was reduced to two years by Secretary Wilbur upon recommendation of Major General LeJeune, commandant of the marines of the marine corps.

Military prisoners are required to bathe regularly and the charges declared the man had refused to wash in the most convenient place, the ocean, when ordered to do so by his superior officer. Beam's home is in Lebanon, Pa.

NATRON CUT OFF BUILDING VIEWED

Klamath Falls, Aug. 28.—High officials of the Southern Pacific company returned last night from a trip of inspection over the end of the Natron cut-off construction as well as the contemplated extensions in Klamath county and elsewhere in central Oregon. Included in the party were William Spruille, president; Paul Shoup, executive vice-president; H. D. Deforest, chairman of the executive board; R. E. Strahorn, president of the O. C. and E. railroad, and George Boaschke, chief engineer for the Southern Pacific.

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Square Oak Table, 48 inch square 10 ft. extension.....	\$15.00	Combination Book Cases and Writing Desk, in full quartered Oak.....	\$10.95 to \$18
Round top Extension Table, 42 inch top.....	\$9.85	Sewing Machines in good order and good makes.....	\$9.85 to \$35
36x45 inch top Extension Table.....	\$3.95	Rockers of all kinds.....	\$2.45 to \$12
Breakfast Tables finished and unfinished.....	\$2.75 to \$4	Large selection of Buffets in Walnut and Oak, good value.....	\$18.75 to \$4.50
Used Hoosier Kitchen Cabinets.....	\$35 to \$50	Bed Davenport in Imitation Leather and Genuine Leather, good Oak ends, First class bed in large and small size, marked to sell.....	\$29.50 to \$44.50
Used Kitchen Cabinet Complete.....	\$11.95	Child's Crib 27x54, Ivory finish, in good repair, including full Cotton Mattress.....	\$13.85
Used Library Tables like new.....	\$6.45 to \$18.50	Used Baby Carriages in Reed and in good repair.....	\$17.50 to \$27
Used Dressers, in Oak and Ivory.....	\$15 to \$35	Used Axminster Rug 9x12 size good repair and newly cleaned.....	\$20
Used Dressing Tables triple mirrors.....	\$14.95 to \$26	Another Axminster Rug 9x12 size.....	\$12.50
Iron Beds full size.....	\$1.50 to \$9	Used Body Brussels Rug 9x12 size.....	\$10
Dining Chairs, each.....	85c to \$3	Couches in Velour and Leather.....	\$8.75 to \$14
Commodore, each.....	\$1.00		
Small Tables, each.....	\$1.00		

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