



Like Thunder Storm, Ventilating Ozonizer in State House Basement

It Gets the Impure Air into a Corner and Gives it a Shot of What Amounts to a Flash of Lightning—It Does By Artificial Process What Is Done By the Winds and Rays of Sunlight of the Great Out of Doors

For some time the necessity for a better ventilating system in the basement of the state house has been felt, and at last with the installation of a ventilating ozonizer the problem seems to have been solved. The basement had no means of ventilation except through windows, until the installation of this machine. There are a good many persons who work in the basement every day, and the former condition was certainly not conducive to good health or efficiency.

How It Works
Ozone is one of the natural constituents of the air, and its sources are the electric storm, the action of sunlight on snow, and on large bodies of water, and vegetation. The ozonizer works on very much the same principle that nature does in the case of a thunder storm. Lightning is spontaneous combustion of great accumulation of high potential electric energy.

This energy when released by combustion is absorbed by the oxygen of the air, and the chemical constituents of the air are then changed from two parts of oxygen to three parts of oxygen in each molecule. The addition of this third atom in each molecule breaks up the stability of the molecules, and makes the transition from the normal molecule to atomic oxygen a simpler process. It is in this atomic state that oxygen is especially active in destroying decayed substances. Every day many decaying substances are thrown into the air from our lungs, and skin, and other life activities. In the open air these decaying substances are taken care of satisfactorily through the natural workings of nature. In a crowded room, however, this is impossible, and some artificial method must be secured.

Like a Thunder Storm
The ventilating ozonizer draws

the air into a small cabinet where an electrical charge is shot through it, thus securing the same action that takes place in the case of a thunder storm.

The air of the room is by this process thoroughly purified of all of its impurities and blown out into the room again by an electrical fan. The air in the room is purified by this ozonizer once every twenty minutes.

Installed on Trial
The ozonizer now in use at the state house has been installed on trial, and if it works properly it will be purchased. Some of the employees in the room where the machine is located like it very much, and others doubt its efficiency. It is interesting to note, however, that when the machine was not used for a few days, the girls began to complain of head aches.

\$28,000 PAID FOR POLK COUNTY FARM

The Famous McArthur Farm Goes to Grants Pass Man; Realty Business Good

Bayard Findley from Grants Pass has bought the McArthur farm located on the main Dallas road just east of Derry station. The farm consists of 327 acres of land, 390 acres under cultivation, fine modern buildings, and is one of the best improved farms in Polk county. Mr. Findley expects to move and take charge of the farm in the near future.

The deal was handled by W. H. Grabenhorst & Co., realtors. The price paid was \$28,000.

Report Business Good
W. H. Grabenhorst & Co. report business good last week. The wings are among the transactions.

Cassie F. Taylor buys a modern home located at 966 Oak street from W. J. Lepley, consideration, \$2800.

Allan G. Carson buys the modern bungalow located at 246 Superior street from Catherine McDonald, consideration, \$4500.

Isaac M. Boyer buys lot on

north 24th street from Rostein and Greenbaum, consideration, \$500.

W. H. McCullin buys house and lot in West Salem from Mrs. J. W. Kessel, consideration, \$1500.

D. O. McElrath buys two fine lots in South Salem from J. G. Heitzel; consideration, \$500.

Stanley Jensen buys a fine lot in Kay addition and expects to build in the near future; consideration, \$400.

L. S. Salliday buys 10 acres located in Oak Knoll tracts near Lincoln; consideration \$1500.

J. H. Arnold buys a fine half acre lot in Oakhurst on North 21st street; consideration, \$700.

J. L. Wariner buys from J. G. Heitzel a half acre lot in South Salem; consideration, \$750.

Peter Zerr buys a fine lot on South 12th street; consideration, \$500.

Dora Forge, recently from Montana, buys two new four room homes in the Kay addition, and also a fine vacant lot; consideration, \$5800.

Ludwick Mickelson sells modern home located at 1620 S. Commercial street to Karl A. Chapler; consideration, \$5000.

CITY WATER ON HIGHWAY TRACTS

Pipes Will Be Laid This Week Connecting These Building Sites With Supply

The Highway tracts are to have city water, and it is announced that the pipes will be laid this week.

The Highway Tracts are opposite the Valley Packing company plant, and they lie between the Pacific highway and the Silverton highway.

Putting city water out that way will give them all the facilities of down-town property.

Rich L. Reiman, real estate man, is the agent for these tracts and is authority for the announcement that they are to have city water.

Seventeen states are represented among the 53 members of the football squad of the University of Pennsylvania.

The popcorn stand is another American institution unknown in Europe.

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SALEMITE INVENTS NEW STUMP PULLER

High Cost of Clearing Land Develops Inventive Genius of Resident

It has been well said that necessity is the mother of invention, and C. H. Ringwald of this city believes in making theory into practice. Some time ago he desired to have some land cleared of stumps, and so began inquiries as to the cost of the work. He found that the cost was more than he cared to pay, and accordingly came to the conclusion that he would have to do the work himself. The first problem that confronted him was the securing of a machine to pull the stumps, and so out of the necessity for such a machine grew the invention of what has proven to be a very economical and efficient stump puller.

A Studebaker engine, equipped with an old second-hand Auburn transmission furnishes power for the puller. A single drum for the cable is used, and on it is wound 115 feet of 5-8 cable. The engine is put in reverse when pulling a load, and in high to unwind the cable. A single block is attached to a stump some distance from the machine, and the cable run through this block and back to the stump to be pulled. If the stump to be pulled is especially large, a set of two blocks can be used. Mr. Ringwald states that the machine will when idling break a 5-8 inch cable. And up to date he has never found anything that will strain the engine. This machine has really been more of an experiment than anything else, and were he to build another one, Mr. Ringwald says that he would use a lighter engine and a 3/4-inch cable.

The machine is fastened on a platform which can easily be pulled up onto skids when moving is necessary. The whole machine is so fastened on the platform that it will automatically swing to face the direction from which the pull is coming, thus making it possible to pull a three-quarter acre tract without moving the machine. The machine pulls with apparent ease oak stumps ranging from 8 to 18 inches in diameter. In pulling fir stumps it would be necessary to use a heavier cable, and the stumps would have to be first broken with dynamite.

Mr. Ringwald is very well pleased with his machine and estimates that he will get his land cleared and pay for the machine too at a third of the price asked by those who bid on the job. The total cost of the stump puller was \$188. Mr. Ringwald is the owner and operator of the sand and gravel trucks employed by the Salem Sand & Gravel company.

The Story the

Coal Shovel Tells

THE number of times the coal shovel travels from coal bin to feed door of the furnace tells the story of a furnace. Sometimes it tells a story of inadequate heat under any circumstance.

The story the coal shovel tells when there is a

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MULTIPLE BUREAU HAS ACTIVE LIST

Sales of City and Farm Property During January Reach Sum Over \$13,000

During the month of January, 1925, the Multiple Listing Bureau of the Marion-Polk County Realtors association reports total listings of properties value at \$258,700. Property transfers and sales total \$13,400 during the same period, with, however, several deals for farm and city properties pending. Doubtless they will be consummated within the coming week.

INFANT INDUSTRIES THRIVE IN SALEM

C. A. Roberts Produces a Popular Furnace Along Original Lines

The rapidly multiplying number of small independent industrial concerns in Salem are a most favorable indication of the numerous opportunities here for the man or organization of small means to enter the field of productive industry and make a winning of the effort. A conspicuous example of this is found in the shop of C. A. Roberts at 1011 South Commercial street. Mr. Roberts is a sheet metal worker who has lived in Salem many years and is a well known citizen of high standing as well as a workman of original ideas. A year ago he opened his independent shop with the idea of placing on the market a furnace embodying principles which appealed to him as being fundamental in the conservation of fuel. His idea was to produce the maximum of actual heat units delivered to the rooms of a home with the minimum of fuel. The year has demonstrated that the public approved of his ideas, for he has installed many of them in the homes of Salem and surrounding territory and every one of them has resulted in performing to the highest standard of service claimed for it by Mr. Roberts.

This is another infant industry for Salem which gives all indications of growing into a profitable institution of large dimensions where large payrolls will add to the prosperity of the city as well as to the owners of the business.

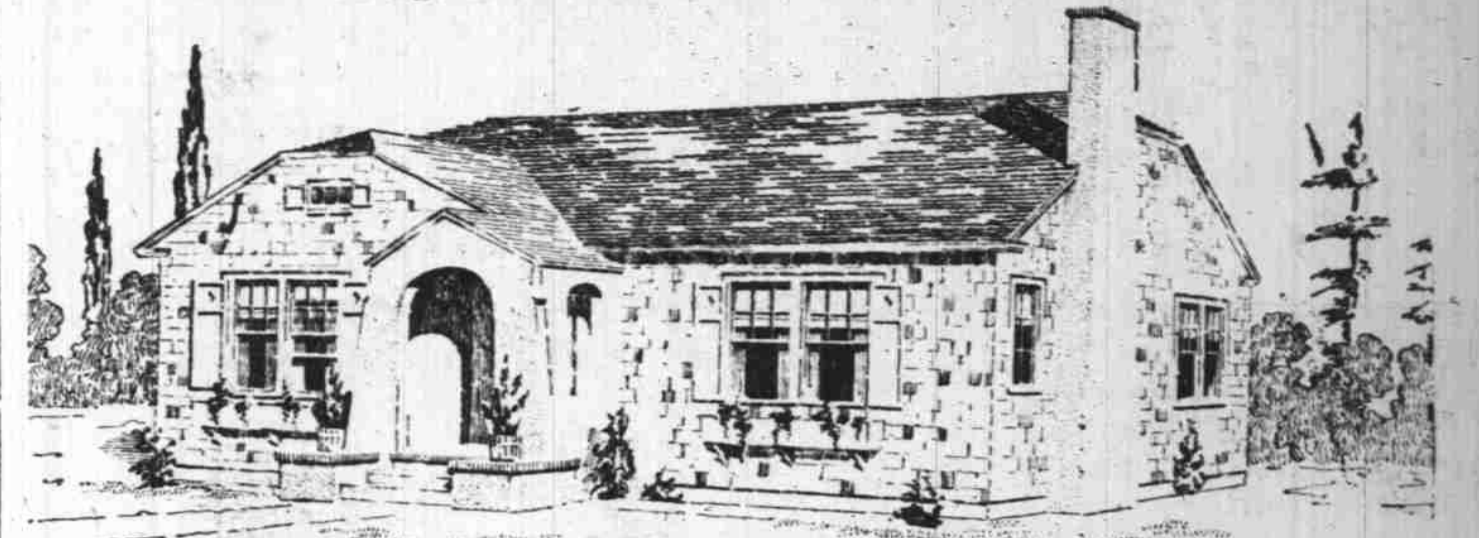
Salem make a strong appeal to many a man with a head full of good ideas who wishes to start manufacturing a product which he believes will meet with public approval and enable him to develop an independent business from small capital. The elements of success are found here, and the knowledge of that fact is the basis of the strong appeal.

Shade Street Property Is Sold By Local Man

Mr. and Mrs. D. E. Twilgar have taken possession of a residence on Shade, formerly owned by Percy Cupper. The deal was handled by Ben West, local real estate dealer.

BUILDING PROBLEMS ARE DECLARED EASILY SOLVED

Cottage of Five Rooms Suitable for Small Family



INEXPENSIVE COTTAGE FOR SMALL FAMILY

This attractive five room cottage solves the home building problem of the average family. The shingled exterior, with shuttered windows and flower boxes, is further enhanced with a well proportioned chimney with stucco finish.

The interior is well arranged and there is no waste space. The living room is of convenient size, with a cozy fireplace and plenty of wall space for furniture.

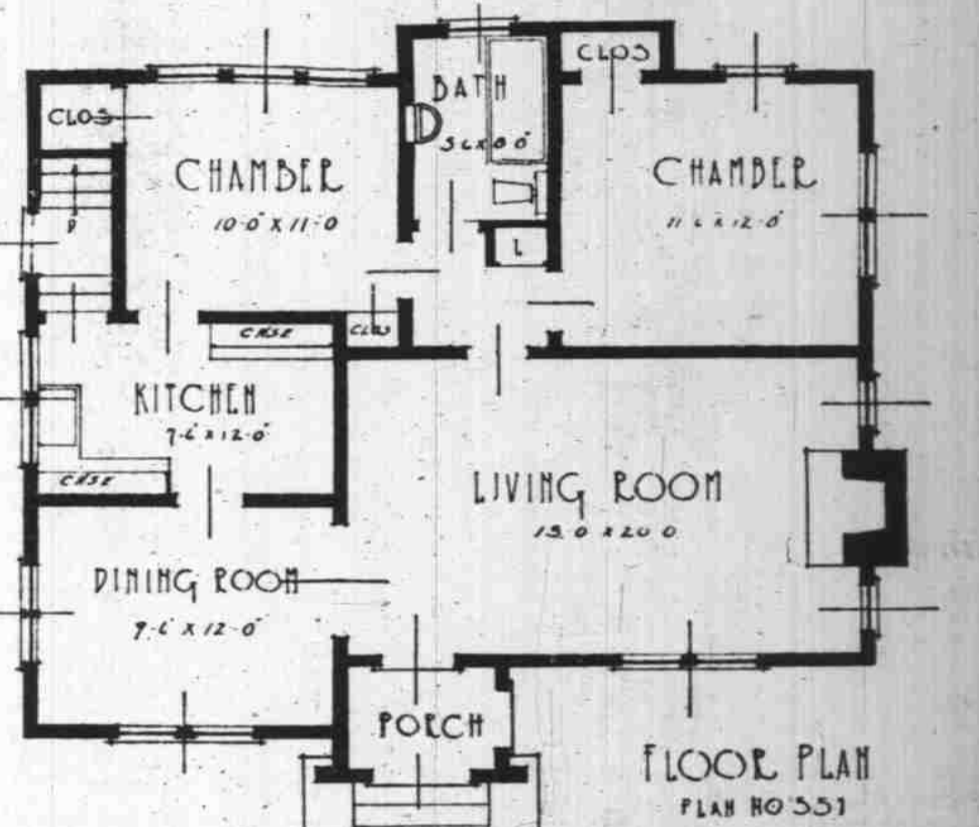
The bedrooms are well arranged as for window space and also space for beds.

The kitchen is equipped with built in cupboards and has abundant light. There is a grade entrance leading from kitchen to basement which is very convenient.

The plans call for full basement which is well lighted and ventilated.

This cottage can be built for a low cost, there being 966 feet of floor area.

Placements of ornamental



shrubbery and a well kept lawn go naturally with a home of this character.

Two sets of blueprints will be furnished at a nominal cost on application to

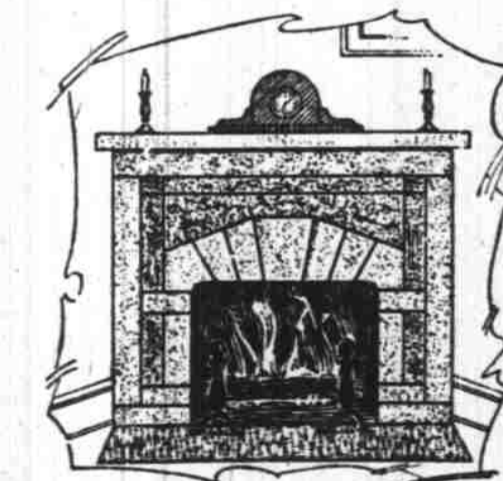
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