

# SALEM WATER SUPPLY IS AMPLE

Company's Pumps Have Possible Capacity of Almost 10,000,000 Gallons Daily, or 600 Gallons Per Capita—Water Is Pure and Exceptional Safeguards Against Breakdown Are Used—Three Sources of Power for Huge Machinery

A quart or even a pint of water would look mighty good to the wayfarer in a desert land under a hot mid-summer sun; but the Salem citizen, man, woman or child, has a guaranty of 600 gallons of water for his or her own private use every day in the year.

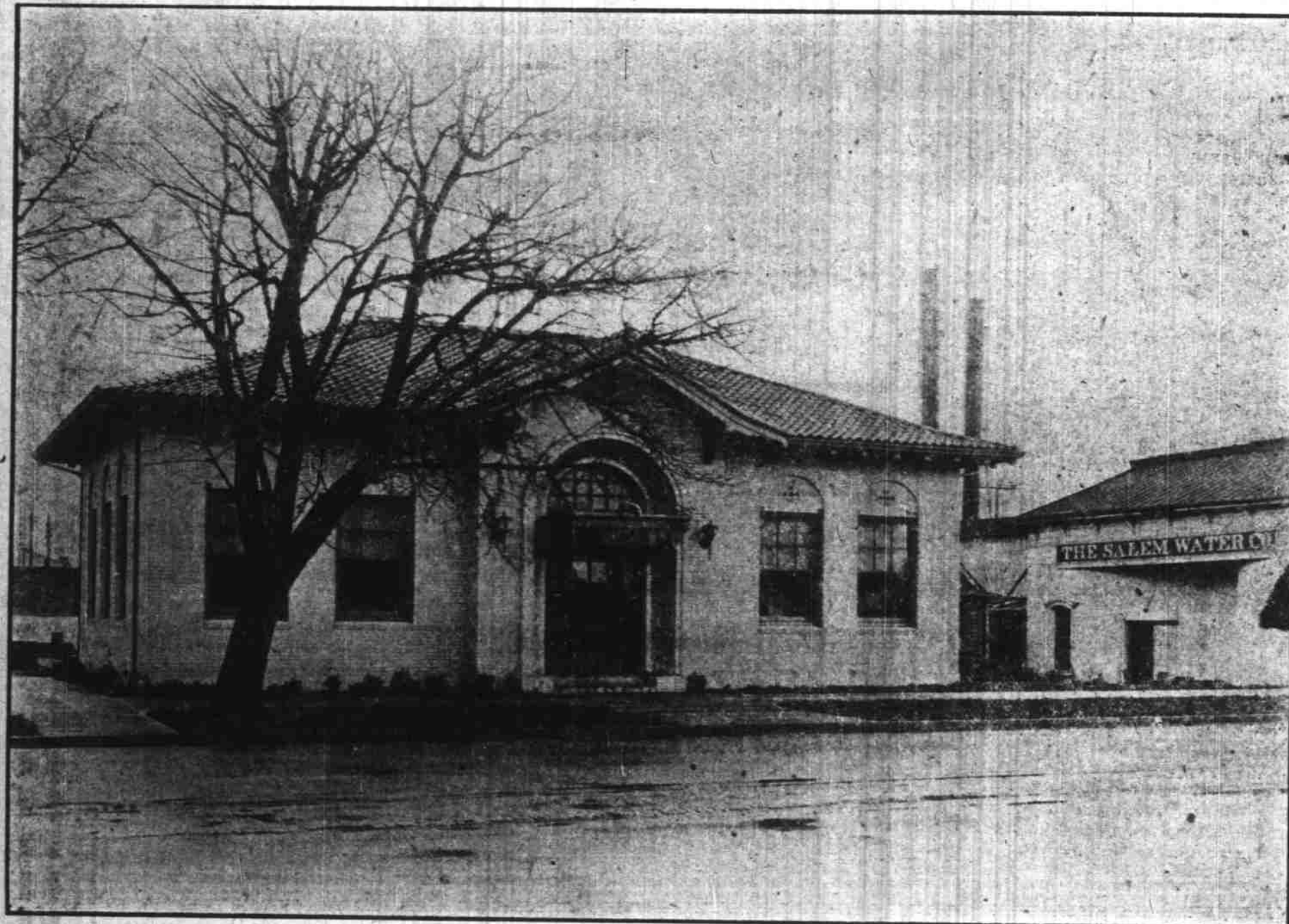
Of course, no individual uses that amount. But the Salem water company has pumped in a single day period of 24 hours 300 gallons for every resident of Salem—and that's some supply. But

of the three power developments of the same original source; the other two being the plants at the paper mill and the woolen mill. The original grant was taken up by the Willamette Woolen Manufacturing company, almost 70 years ago.

The steam plant is a reserve or auxiliary equipment; the electrical section is developed from Oregon City, the Great Falls of the Willamette. The water power plant drives a massive vertical triplex pump, with a daily capacity of 2,500,000 gallons; the

huge well on an island out in the river, 2000 feet from the pumping station; and the whole volume of water is raised by the pumps to the reservoir, 175 feet above the pumps. This gives an adequate pressure for most of the city; more than is safe for ordinary fixtures at the lowest levels of the city, and tapering off in the higher elevations. The water is delivered through 79 miles of city mains of all sizes. The inspector who really wanted to see every bit of the country served by this system, would want a fast

most modest beginnings, to an enterprise of great magnitude. The purity of the Salem water supply and the plentiful supply, with the great reserve of pumping ability in case of any breakdown or interruption has made the Salem water works a municipal asset of notable value. Nowhere is there a better or more plentiful supply; nowhere do the health conditions prove the standing of the water supply more adequately, more surely. The development of the plant has kept pace with the growth of the city



Office of Salem Water Works

so adequate is the company's plant that it can supply double this tremendous amount, if necessary. And plenty of pure, cold water is a wonderful asset to a community.

Ten million gallons every 24 hours is the Salem Water company's capacity.

The Salem water works is unique in more than one way. It has three sorts of motive power—water power, steam, and electricity. The water power comes from a water right granted by the territorial legislature; it was really the determining factor in the location of Salem. It is one

steam drives a compound duplex pump that throws 1,850,000 gallons daily; there is the eight-inch belt-driven centrifugal, raising 2,160,000 gallons daily, and the "big" eight-inch, two-stage centrifugal with direct electric drive, that delivers 3,255,000 gallons daily. The total rated capacity is 9,785,000 gallons daily; with an estimated 18,000 population, this would give a pumping capacity of about 540 gallons per capita per day. Enough for a grown-up bath—what?

This water is pumped through the two 24-inch suction mains drawing from the bottom of a

car and a kitchen attachment and a bed when he started on his journey.

The water is tested daily, and twice each month an accurate bacterial count is made from water samples taken at random from the system. The results would be highly gratifying to the people of Salem, were they to actually see the bacteriologists' reports. It might suffice to say that the day of private wells is almost past in Salem; the water service has proved so satisfactory that the well-roped business is practically a lost art.

The system has grown from the

Indeed, it may well be said to have set the pace for the city as a whole; for without good water, and plenty of it, there never could be a city, here or anywhere else.

When the paper mill was built, the water company that for years had used the office building on South Commercial street on the paper mill property just across from the pumping plant, had to build its own office and give up the older place for the paper mill use. The present quarters are in as comfortable a new office building of their own, as there is in Salem.

## IS VETERAN MERCHANT

Ray L. Farmer in Business Here More Than 37 Years

For 37 years Ray L. Farmer, Salem's pioneer hardware merchant, has been engaged in business at the same stand. He was associated with R. M. Wade & Co. and with Wade, Pearce & Co. as part owner until 1912, when he purchased the hardware stock of the concern and has been conducting the business successfully ever since.

Mr. Farmer states that never in his long career has he been so fortunate in his purchasing as he has this spring, having obtained practically all his spring and summer requirements before the recent rise in prices; and in conformity with his old policy of giving the buying public the benefit of his foresight has priced this large volume of merchandise at prices about the same as present day costs.

The firm has always enjoyed the reputation of selling high grade merchandise cheaper than any one in the valley and will continue to merit this reputation. Many people do not understand why they are able to do this. The answer is simple. Requirements are anticipated and large orders are placed with factories instead of jobbers thus effecting a large saving; which saving is in turn passed on to the customer in the shape of lower prices than can be obtained from other sources on the same quality of merchandise.

Mr. Farmer and his three sons are all actively engaged in conducting the business, are all taxpayers and loyal and enthusiastic booster for Salem and the Willamette valley. Besides them there are six other employees at all times and in the busy season two and sometimes three more are employed.

Mr. Farmer attributes his success to the fact that the largest and most varied stock in the

valley is housed in their establishment; to consistent work toward a specified objective, honest and efficient handling of patrons, giving lower prices than others, and correctly applied advertising methods.

### HOW MUCH SEED?

This is the time to scan the seed advertisements and write for catalogues to study the desired varieties for your garden if you have not already done so.

This table is given more as a suggestive guide than as a hard and fast rule to be followed. Varieties are left to the selection of the gardener as there is such a vast field in some of the vegetables that the individual fancy can easily be gratified:

- Bean:
  - Bush Lima ..... 1 pint
  - Pole Lima ..... 1 pint
  - Snap ..... 1 to 2 quarts
  - Beet ..... 1 quince
  - Cabbage:
    - Early ..... 1 package
    - Late ..... one-half ounce
    - Carrot ..... 1 ounce
    - Cauliflower ..... 1 pack-1
    - Celery ..... 1 packet
    - Corn, Sweet ..... 1 to 2 ounces
    - Cucumber ..... 1 ounce
    - Eggplant ..... 1 packet
    - Kale ..... 2 ounces
    - Lettuce ..... One-half ounce
    - Melon:
      - Muskmelon ..... 1 ounce
      - Watermelon ..... 2 ounces
      - C'n on sets ..... 4 to 6 quarts
      - Pea, garden ..... 4 to 5 quarts
      - Parsley ..... 1 packet
      - Parsnip ..... one-half ounce
      - Salsify ..... 1 ounce
      - Spinach:
        - In spring ..... one-quarter peck
        - Squash:
          - Hubbard ..... 1 ounce
          - Summer ..... 1 ounce
          - Tomato:
            - Early ..... 1 pack-1
            - Late ..... one-quarter ounce
            - Turnip ..... 2 to 3 ounces

Salem is an educational center. The young people will find opportunities here that are not surpassed in any city of the whole country.

## GRAVEL CO. EXPANDS

Oregon Adds Complete Line of Concrete Building Units

After perfecting its complete line of concrete building units during a period of one year, the Oregon Gravel company has reached a point where it is ready to place its product on the market and institute an aggressive sales campaign. Improved machinery of the latest type and expert technical knowledge have combined in making a quality of permanent building materials of which the company has a right to feel proud.

This line of activity is a comparatively new one for this established concern. Until a short time ago it confined its sphere to the distribution of gravel, in which it has always done a large business. But of late it has gradually been embarking on the manufacturing of concrete building units of all kinds, such as concrete drain tile, concrete sewer pipe, concrete faced brick, concrete well curbing, concrete hollow building tile, concrete road curbs, concrete hearth tile and concrete burial vaults.

It has wisely followed the policy of thoroughly mastering the technical side of the business to insure a product of the highest quality before launching extensively on a sales campaign. It has been conducting experiments to test the soundness of its product and it has succeeded in standardizing on a line of building units that will prove their worth after they leave the plant.

For instance, building experts have pronounced the strength of the faced brick sufficient to bear the weight of a building a quarter of a mile high. Such a strength has, obviously, a remarkable pressure-resisting power. But desirable as this quality is, it is not the chief advantage which concrete building ma-

terial boasts. Its real value is its power of resisting the action of the elements, a power which makes the concrete structure stand practically for all time.

The drain tile is manufactured in all sizes up to 12 inches in diameter. The sewer pipe is made in sizes from four to 36 inches in diameter and in lengths of from two and one half to four feet. Well curbing is made in two foot lengths and road culvert in 12 to 36 inch sizes. New and improved machinery, equipped with the most modern molds, has been installed. It is all operated in a most efficient manner, the material being elevated into large hoppers and then running by gravity under automatic control into the mixers thereby insuring a uniform mixture.

The faced brick is made in 15 face finishes of different color and design and the hearth tile in about 10 different faces.

Curing the green products is done in a curing room, by thoroughly saturated steam, which reduces the time needed to insure maximum strength from 30 to three days. The plant has a curing capacity of 6000 feet, or more than a mile of tile placed end to end.

The company gives employment to a force of men, which aids in building up a steady payroll for the community.

Salem district first grade walnuts have for two years sold two cents a pound higher than California's best walnuts. The Salem district is the best walnut country in the world. Quality counts, as bipod tells.

When John Sherman said "The way to resume (specie) payment of debts) is to resume," he had in mind business conditions of today. The way to be prosperous is to cut out the grouch and prosper.

If you can build this year, do it. Salem needs more homes. Prosperity is hatched from the egg of individual effort.

## MARION SECOND IN PAY ROLLS

(Continued from page 1)

similar plant, but she has been unable to produce enough gravel to satisfy her needs and she is a heavy purchaser of gravel from the other two plants. District road supervisors use large amounts annually and tons of the finest sand and gravel find their way every year into the many new buildings which are being erected in Salem and her tributary country.

Enormous outputs of concrete and brick building materials are also being manufactured in Salem every year. The Oregon Gravel company has recently perfected a concrete building material plant, in which concrete hollow tile, faced and hollow brick, drain tile and the like are manufactured. The Salem Brick & Tile company does a tremendous business annually in building brick

and drain tile and gives employment to a large number of workmen.

A Salem institution which is still in its youth but which promises great development, is the Capital City Bedding company, at North Capitol and Market streets. This firm manufactures mattresses of the highest quality and enjoys a large patronage among the furniture dealers of the Pacific coast. It also remakes old mattresses a considerable payroll and keeps several traveling representatives on the road all the time.

To keep abreast of the demands of the constantly increasing Salem population, there are five large bakeries which turn out thousands of loaves of bread daily. These are the Cherry City Baking company, manufacturers of Butternut, Hillman and Holsum brands; the Salem Baking company, makers of Dixie brand; the Bake-Rite Bakery, makers of the brand of that name; the

Mistland Bakery, which puts out the famous Better Yet bread and the Peerless. These concerns give employment to many workers in the aggregate.

Several millions of dollars are brought into Marion county each year by the creameries. There is scarcely a town in the county that does not have one and all of them are successful. Because of the high character of the milk cows in the county, these institutions have excellent raw material at the start; and this advantage, coupled to the fact that each creamery has butter-makers of unusual ability, enables the institutions to put out products that are sought in the large city markets at premium prices. The development of this activity has been tremendous. Besides giving the farmers a monthly pay check, it has awakened interest in dairy farming and dairy farming is sustaining the Marion county farms at a high degree of fertility.

## SUNSHINY GARDENS

A careful study of sun and shade should be made before the vegetable garden is planted. How many hours any portion of the garden is in the shadow of trees, houses or fences has an important effect upon the vegetables which are to be planted in these shadows. The greater portion of the garden must have at least five hours of sunlight during the day.

Crops which will do fairly well in partial shade are the leaf crops such as spinach, lettuce, kale and the salad plants with the exception of those which ripen fruit such as the tomato. These must have all the sun possible. Leaf plants must have two or three hours of sun during the day to give a fair return.

The garden should be located in full sun wherever possible and this factor should receive first consideration when the location of the plot is being selected.

# FALLS CITY IS SAWMILL TOWN

Manufacture of Lumber Is Chief Industry, Though Farming Is Successfully Followed—Location Is in Midst of Charming Scenery and Hunting and Fishing Is Excellent—Small Fruits Forging to Front Rank in Importance

Falls City a thriving industrial town, lies in the foothills of the Coast range, in western Polk county, about nine miles west of Dallas. Manufacturing of lumber is its chief industry, although ranching and fruit growing is carried on to a considerable extent to the east and south. All lines of business, incidental to

the support of a payroll town, are represented.

The Falls City Lumber and Logging company holds an immense area of excellent Douglas fir timber near the city, and when it operates, it gives employment to several hundred of hands. The Griswold-Grier Lumber company is another large lumber industrial of Falls City, giving employment in the woods and in the mill to a large number of people.

Attractive in the extreme is the scenery round about. Short excursions from the town bring one into charming woods and glens, where rivulets and waterfalls bound. In the Luckiamute river hard by there is excellent trout fishing and in the hills sur-

rounding the fall season there are abundant deer to draw the attention of the hunters.

Falls City is well equipped to care for all her visitors, whether they be on business or pleasure bent. F. W. Pieren conducts the Falls City hotel, which is a comfortable hostelry, where rooms are airy in the summer and warm in the winter and

typical logging community, such as one as affords a delightful change for the man or woman who is fed up on the conventionalities of big town life. Nothing could be more pleasant for such people to visit it during the summer months, revel in its wealth of outdoor opportunities and find rejuvenation in the free, easy comradeship of its inhabitants.



Falls City, Oregon

## FALLS CITY Bakery

General Line of Bakery Goods

A. R. Meyers, Prop. Falls City, Ore.

## A. F. Courter & Co.

Hardware—Furniture Plumbing Fishing Tackle—Logging Supplies

Falls City, Ore.

## M. L. Thompson Drug Store

Drug Sundries of all Kinds Prescriptions Expertly Compounded

Kodaks and Kodak Supplies Stationery and School Supplies

E. P. Stone, Mgr. Falls City, Ore.

## Dr. C. P. Horn

Physician and Surgeon

Falls City, Oregon

## Falls City Hotel

The Best Place to Eat in the Willamette Valley

Excellent Fishing and Hunting Round About Splendid Rooms—Courteous Treatment

Mr. and Mrs. F. W. Pieren, Props.

## C. J. BRUCE

Groceries—Feed—Hay Grain

Highest Price Paid for Eggs

Cascara Bark Bought and Sold

FALLS CITY, ORE.

G. A. Griswold President W. T. Grier Vice President R. L. Griswold, Secy.-Treas.

## The Griswold-Grier Lumber Co.

DOUGLAS FIR LUMBER

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## MOTT & MOTT

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HOUSEHOLD GOODS

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Highest Cash Prices will be Paid Farm Machinery and Tools Sold on Commission. All kinds of Repairing. See us before selling your goods. Quick Results. Bring them in. Phone 303 FALLS CITY, OREGON