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Selling Salem District is a continuation of the Salem Slogan and Pep and Progress Campaign

This campaign of publicity for community upbuilding has been made possible by the advertisements placed on these pages by our public-spirited business men—men whose untiring efforts have builded our present recognized prosperity and who are ever striving for greater and yet greater progress as the years go by.

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MORE THAN HALF COUNTRY'S WHITE COAL IN OUR COAST STATES; VAST WATER POWERS ARE NEAR TO SALEM

The Largest and Cheapest Proposed Water Power Project, Which Will Finally Transform This Whole Region—Cheap Powers Near Salem

More than half the water powers of the United States are in the three Pacific coast states; the largest and cheapest water power project in the world is the Columbia river power project—

And within a radius of 100 miles of Salem there can be developed 300,000 to 400,000 horsepower of water power—

And an extension of the radius to 200 miles would include nearly all of the great water powers of the state, running up to three to four millions—

And engineers find that with modern methods of transmission 200 miles is no distance worth worrying about in the transmission of hydro-electric power; that it is merely a matter of longer transmission lines supported by more tall poles. In California electric power is conducted 400 miles or more from the points of the generating plants to the places

of use. That distance would place Salem within the reach of all the powers ever to be developed in Oregon.

Nearby Powers

There are water powers capable of development within a radius of 50 miles of Salem that will aggregate 150,000 horsepower and more—some of them comparatively easy and cheap of development.

Some of the Near Ones

Following are some of the available powers coming within or near the 50 mile limit of Salem:

Project No. 1—Source of supply: Fish, Clear, Lava and Lost lakes. Location: Section 8 T 24 S R 7 E W M. Fall, 968 feet. Horsepower, 45,000. Estimated cost, \$3,000,000.

Project No. 2—Source of supply: North Fork Santiam river. Location: Section 7, T 10 S R 2 W W M. Flow: 220 cubic feet per second. Horsepower, 600.

Project No. 3—Source of supply: North Fork Santiam river. Location: Section 13, T 9 S R 1 E, Marion county. Flow: 750 cubic feet per second. Fall: 130 feet. Horsepower, 11,000. Estimated cost, \$600,000.

Project No. 4—Source of supply: North Fork Santiam river. Location: Section 28, T 9 S R 4 E, Marion county. Flow, 600 cubic feet per second. Fall, 105 feet. Horsepower, 7,755. Estimated cost, \$800,000.

Project No. 5—Source of supply: North Fork Santiam river. Location: Section 12, T 10 S R 5 E W M. Flow: 600 cubic feet per second. Horsepower, 10,227.

Project No. 6—Source of supply: North Fork Santiam river. Location: Section 20, T 10 S R 7 E W M. Flow: 600 cubic feet per second. Fall: 475 feet. Horsepower, 23,000. Estimated cost, \$2,000,000.

Project No. 7—Source of supply: Marion lake, Puzzle creek and Whiskey creek, tributary to North Fork Santiam. Location: Section 26, T 11 S R 7 E W M. Flow: 160 cubic feet per second. Fall: 145 feet. Horsepower, 26,636. Estimated cost \$2,000,000.

Many Smaller Ones

The total available undeveloped horsepower in the above enumerated projects alone foot up 130,218. They are all within fifty miles of Salem, and most of them nearer than that. Within the same radius there are many water powers that have not been surveyed or estimated; some small ones, and many that would show up to be of considerable size upon examination.

A Little Further Away

A little further away from Salem, but easily available for use here, there are at least 100,000 horsepower of water powers on the McKenzie river. And nothing has been said in the above of more

300,000 EXPERIMENTS ARE BEING CARRIED ON BY LUTHER BURBANK

A Visit to the Great Plant Wizard at His Home in Santa Rosa, California—Foremost Man in the World in His Field, He Is a Lover of Men and a Hard and Most Humble and Patient Worker

(Leslie Burton Blades, writing in "Association Men" for June (the magazine of the Y. M. C. A.) after a visit to Luther Burbank, the plant wizard, the genius who has worked and is working miracles with fruits and flowers, after conquering illness, poverty and ridicule, apart from the introduction describing his trip, says:)

At nine o'clock my wife and I were at his door. We were shown into the parlor and told that Mr. Burbank would be in presently. He was in the garden. In a few minutes he came, a gentle white-headed figure, clad in work clothes, and no whit troubled by the fact. His is a dignity of spirit, a gentle, democratic character, a mind of high ideas and great dreams.

"You are at it early," I said, as he shook my hand.

"I am always at it by seven in the morning," was his answer. "There is always so much to do with growing things, and I am a genuine farmer."

We sat and chatted about miracles, before a sun-filled window. Through it a bank of great dahlias could be seen holding their heads erect and proudly formal in their white, crimson, gold and purple loveliness.

My wife, who had been a school girl in Santa Rosa, glanced across the street toward the cottage opposite.

"You lived there when I was a girl in school," she said, "and all along your fence you had red California poppies. We children used to pick them as we passed."

"I know," he smiled, "that's one of the reasons I had them there. I wanted the children to enjoy them."

That brought us naturally to his own childhood days, spent far away in Massachusetts. He had played more with flowers than with other boys and girls. The thirteenth of 15 children born to Samuel Burbank, he was not without brothers and sisters, but the flowers possessed a charm that he could never resist.

From Factory to Field.

As a lad he was put to work in a plow factory and although he had no natural liking for the shops, he applied himself diligently to learning what there was to learn, doing what was to be done, well.

When the opportunity came for him to exchange the factory for the field, he welcomed it joyously and was again among growing things. Already he had determined that his life work should be with plants and now his days held more than a task well done, for the field was a source of happiness.

Quietly, without talking about his dream he set himself to develop a better potato than any the world yet knew. The result was the Burbank.

"I sold that potato plant," he told me, "for one hundred fifty dollars. I was poor those days and that seemed like a great deal to me. Of course, that price purchased all rights to the plant. I could not go on growing and selling them."

"Not long ago, with the help of some overmen men, I estimated that the potatoes grown from that plant and its progeny would fill a freight train, long enough to reach from Santa Rosa to any point on the globe, that is, some thirteen thousand miles."

In 1875 Mr. Burbank came to California for his health. At the time he was not only sick but penniless as well. His first home in the town of his adoption was an abandoned chicken house.

His first work was as roost-about, doing whatever odd job came his way and all the time he dreamed and planned his garden, a garden where patience, knowledge, work and ideals would make old fairy tales come true.

"There were stories of flowers that grew, and grew like the bean stalk of Jack, for instance. I knew that in Nature's wisdom were secrets that could make such things possible if only men knew how. I wanted to find those secrets out for my fellows."

It was not long before his health improved, and with returning energy, came the money with which to secure a piece of land. Then Luther Burbank began his life as a nursery man.

"Thank goodness," he said, "I never studied botany. As it was taught in those days it was dry enough to make any interest in plants a desert of indifference. I was unhampered by formal laws about plants and trees. I wanted to see what could be done."

"It all sounds very simple," I remarked, "but how did you go about it to get such a miracle as the shasta daisy, for example?"

The magician smiled at me and the light of his love for his work was in his eyes.

"It is largely a matter of selection," he answered, "I choose the best of a species and by patient work with it develop it to its ut-

most. Of course budding and grafting helps with trees."

There was an occasion in his life as a nurseryman when an order for 20,000 plum trees was sent him. It came at a season when practically none of the trees would do well and was to be filled within six months or the order was cancelled.

Burbank set to fill the requirement. Nor was he willing that a single tree should be delivered unless it was the best quality. Of all trees, the almond alone could grow at that season. Burbank set out 20,000 almond trees and with all his skill worked to develop them. At the proper time he cut them, and grafted plums to the living base. When the six months were elapsed he delivered 20,000 flourishing plum trees.

"But to select the proper plant is not always easy," I said, "one can never quite be sure."

"Experience and knowledge help," he suggested, "and then, patience is essential. I have one experiment I have watched for twenty-seven years. It is at last a success though not yet commonly known. That is my walnut tree."

Infinite Patience

I was mentally confronting the scope of his thought when he spoke so calmly of patience. That word means something to every man, but I doubt if there are many who understand it as Burbank does. He could work and wait for 27 years, never tiring, never discouraged, never for a moment losing interest in the distant result. I listened and marveled in silence.

"The walnut wood used by manufacturers of pianos," he continued, "is hard and slow of growth. I wanted to develop a quality of walnut as hard as the best but more rapidly grown. To do so I crossed the English walnut with the Australian black. Then I planted a score of seeds or more. It took nine years to get the best saplings mature and selected. With the best of them I started over again, crossing and grafting and budding."

"After 27 years of selection and work I succeeded. My walnut wood is so hard that the ordinary knife will not cut it and a tree increases its girth by the thickness of a man's hand every growing season. I wanted mine to do better than that."

"Ordinarily, a walnut tree will increase its girth by the thickness of a finger nail during one growing season. I wanted mine to do better than that."

"That will do much to prevent a scarcity of walnut," I exclaimed, remembering a friend who complained that such wood was rare these days.

"It will," Mr. Burbank rejoiced, "and I am glad to think that it will very soon be growing in forests."

"Of course," my wife remarked, "we have a Burbank plum in our yard. They are a wonderful fruit. How did you do it?"

Mr. Burbank turned towards her and threw out a hand.

"Do you know," he said, "I suppose that the plum is one of

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my big struggles with nature. I once burned acres to save a single tree. I have had over 300,000 varieties in my place at 5 bastapol until lately. I have reduced the number greatly now.

"Did you come through Vacaville? They say I made it with my plums." He spoke reflectively, not with consciousness of self, but as a man reverently tells of a great accomplishment in which he feels that the hand of God may well have aided him. "It was formerly difficult to get a plum that was solid enough to stand shipping. I wanted to work out that problem and I finally succeeded. Vacaville ships plums to Europe and they arrive in excellent condition."

He was talking enthusiastically. His eyes aglow with gratitude to the Source of All Life, his words full of respect for the miracles of growth.

"I have a blackberry," he went on, "a fine luscious fruit that grows on a thornless vine. It is a wonderful thing to see. I watch it day after day with a feeling of mystery at my heart."

"And do you know," he laughed happily, "my men, familiar as they are with the things these plants do, would not weed those vines for me. I offered \$1000 to the one who got a scratch, but none of them would risk it. I weeded them myself."

"And the cactus," I put in, "it too, is robbed of its barbs. Truly, that is a blessing. The cattle raisers on the dry plains of Arizona and Sonora would do well to plant and cultivate it."

"Yes," he agreed, "in dry years the cattle feed on it and I am told, have the thorns sticking by thousands in their mouths, poor creatures."

"The time will come when his thornless cactus will grow everywhere. It is as smooth as can be. You can rub it against your cheek and it feels like velvet. There are little holes like pores in the

(Continued on page 9)

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Our Partially Developed Powers Growing

Our partially developed water powers in Salem and vicinity have been growing during the past year. The water powers in Salem and vicinity, so far listed at the office of the state engineer, show the use of slightly more than 6000 horsepower, and available on full development 24,371 horsepower. The latter figure has more than doubled in the past year. They are as follows:

Company	Stream	Developed	Total
Oregon Pulp and Paper Co., Salem, Oregon	Mill Creek and Santiam River	483.24	1,804
Portland Electric Power Co., Electric Bldg., Portland	Silver Creek		1,875
Oregon Grain Co., Turner, Oregon	Mill Creek	273	273
Oregon State Penitentiary Salem	Mill Creek and Santiam River	218	218
A. D. Gardner and H. E. Bennett, Stayton, Oregon	North Santiam River	935	1,500
A. D. Gardner, Stayton, Oregon	North Santiam River		13,636
Crown Willamette Paper Company	South Santiam River	400	613
The Scio Mill and Elevator Co., Scio, Oregon	Thomas Fork of Santiam	105	105
Molalla Electric Company, Aurora, Oregon	Molalla River	125	125
Mountain States Power Co., Albany, Oregon	South Fork Santiam	1,023	1,023
Mountain States Power Co., Lebanon, Oregon	South Santiam	284	284
Fischer's Flouring Mills, Silverton	Silver Creek	75	75
Sherm Swank, Aumsville, Oregon	Santiam River and Mill Creek	50	169
Falls City Power Co., S. E. Francis, Kings Valley, Oregon	Luckiamute River	197	200
Jefferson Mill Co., Jefferson, Oregon	Luckiamute River	25	50
Hammond Lumber Co., Mill City	Santiam River	650	650
Sidney Power Co., Salem	Santiam River	750	1,078
L. Ames, Pulletron, Calif.	Santiam	209	209
City of Scio, Scio, Oregon	Silver Creek	60	60
City of Scio	Thomas Creek	85	92
	Fork of Santiam	115	341
	Thomas Creek		
	Fork of Santiam		
		6,953.24	24,371

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