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Peter Painter says
when paint peels off
and looks dead it's a
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**Patton's
Sun-Proof Paint**
was never known to
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Patton's Sun-Proof Paint represents the only true principle of scientific paint-making, combining the highest degree of beauty with the greatest covering capacity and durability. It does not lose its lustre. It does not peel, crack or chink off.

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Canning Machinery, Marine Engines and Boilers

Complete Cannery Outfits Furnished.

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**ELECTRICAL
CONTRACTORS**

In Business for Business and Your Satisfaction.

We make it our aim to do first class work at reasonable prices.

222 Twelfth Street. Next to the Astoria Theatre.

Panama is Overshadowed By the Reclaiming of an Empire

CONSTANTLY in the lime light of public attention, the Panama Canal has received more gratuitous advertising in newspapers and magazines than any other modern enterprise. Column after column has been devoted to the vastness of the work to be performed, the great engineering obstacles to be overcome, the enormous expenditure of money involved to complete the ditch, and its financial and commercial importance to when completed. In the brief period since the work was begun the country has been scraped as if with a fine tooth comb for the most capable engineers to conduct the construction and changes in management have been made with startling and amazing rapidity.

Meantime, without the ostentation of spectacular newspaper headlines, the redemption of a vast empire in the West under the magic touch of irrigation is well under way to a marvelous consummation, involving an expense of about \$1,500,000,000, seven times the estimated cost of the Panama Canal. Not only this, but in the necessary excavation work, the total when the twenty-six projects now approved are completed will be many times more than the 133,000,000 cubic yards required for the Panama Canal. Up to the present time the excavation work of the Reclamation Service amounts to 33,000,000 cubic yards. And in variety and difficulty the engineering problems encountered in reclamation work are by no means second to those upon which so many reputations have been wrecked at the Isthmus.

Overshadows the Canal.

And in commercial, financial, and industrial importance the reclamation of the arid West far overshadows the prophecies of even the most enthusiastic of the canal advocates. Taking the value of irrigated land at \$47, according to the last census, although it frequently reaches \$1,000 an acre, when the work of redemption is completed the taxable property of the country will be increased to \$2,350,000,000, and new homes for 600,000 families on farms and adjacent villages and towns will be provided. The twenty-six approved projects for which funds are now provided will add to the crop-producing area of the country a district equal in size to Connecticut, New Hampshire, Massachusetts and Florida. This alone will increase the yearly value of crops by about \$60,000,000, and add \$322,000,000 to the taxable property of the country.

A summary of the work done by the Reclamation Service up to the present time makes the digging of the Panama Canal project seem a small task in comparison. The irrigation engineers have excavated 1,267 miles of canal, some of the canals being large enough to carry whole rivers like the North Platte and Truckee. A total of 43 tunnels, nine and a half miles long have been excavated, 214 bridges built, 764 structures, including three great dams, erected; 378 miles of road constructed in inaccessible regions, 10,973 square miles of topographical surveys made, transit lines extended over 18,877 miles, level lines run 24,218 miles, nearly sufficient to go around the earth; nine miles of diamond drilling, and 1,010 buildings erected. The service is operating 23 miles of railway, with 9 locomotives and 223 cars. It has 1154 horses and mules at work, and uses 30 stationary engines, 27 steam pumps, and has in operation 5 electric light plants. Its office and field forces include 10,000 men, and the monthly expenditures of the service now averages a million dollars a month.

Eight New Towns.

Eight new towns have sprung into existence as the result of the work of the Reclamation Service, and 100 miles of branch railroads have been constructed into these districts. Ten thousand people have already built homes in the one-time desert, and every line of industry in the West has felt the impetus of increased demand. Great as will be the acknowledged advantages flowing from the construction of the Panama Canal, it will be many long years before that enterprise can show even a fraction of the profit that has already resulted from the work of reclamation in the West.

The marvelous success of the gigantic work of desert redemption is due to in no small measure to the splendid abilities and sterling administrative qualifications of the chief of the Reclamation Service, Frederick Haynes Newell. He is a new type of the public servant, and is a resultant product of the best phases of civil service reform. Of politics in the discharge of his duties he is absolutely indifferent. As the work shows, no Federal bureau is freer from the desolating taint of the political parasite, and as a result, the service has the efficiency of a great private business.

To the work of reclamation Mr. Newell has devoted his talents and made it his life career, rejecting the large fi-

ancial rewards which his engineering abilities would bring him in private life, content with the small government salary and the enduring monument to his memory which he is creating in the West. He carries the detail of the vast work under his charge at the tips of his fingers. A newspaper correspondent recently had occasion to ask him about the progress of the work on a minor project in Montana. Without a moment's hesitation, without referring to a single report, or calling for clerks or papers, Mr. Newell stated the number of cubic yards of excavation, the number of men employed, the details of the engineering problems encountered, with as much circumstance as if he had been the subject engineer instead of the chief engineer, of the service. It is this mastery of infinite detail that surprised the members of the Congressional committee at a recent hearing on the appropriation for reclamation work.

A Long Lucky Fight.

Mr. Newell was born in Bradford, Pa., March 5, 1862. He was graduated in the engineering course at the Massachusetts Institute of Technology, in 1885, and later took a post graduate course. Immediately after completing his course he began professional work in Colorado. Here he came into direct contact with practical irrigation work upon a large scale. His stay in Colorado left a deep and lasting impression which was responsible for his accepting a minor position as hydraulic engineer in the Federal irrigation survey of 1888. The formative stage of this new work gave him an excellent field for the exercise and development of his capacity for organization and administration. Throughout all the vicissitudes which the new bureau passed he never wavered in his purpose of doing everything thoroughly, a trait which has had much to do with his success.

The irrigation survey had but a short lease of life at this time, as Congress failed to recognize its importance and neglected to make an appropriation for the work after 1890. Authority, however, was granted to continue the measurement of streams and the selection and surveys of reservoir sites. This work was placed directly under the charge of Mr. Newell.

Firmly believing that reclamation for the Federal government must ultimately be undertaken, Mr. Newell for eighteen years devoted all his skill and energies to the work of acquiring information concerning the resources and needs of the arid West. As a result he has first hand information relative to every important stream in the irrigation districts. The important and valuable results of his work finally won recognition from Congress and the appropriation was increased to \$200,000 in 1892. The reclamation act was the logical result of these years of patient labor, and when it went into effect the way was cleared for it by long years of the necessary preliminary work, without which construction would have been delayed for several years.

Government By The People.

These towns will enjoy not only an unlimited supply of good water for drinking and domestic purposes, but in many instances the irrigation works will furnish plants for lighting and industrial plants for the operation of electric railroads. It is noteworthy that the sources of these public utilities will in every such case be in the hands of the people, to whom the government is pledged to turn over its irrigation systems, with the exception of reservoirs, ten years after their completion.

But the most important phase of the rural settlement movement is the purely social feature, which is calculated to have the most extensive effect, not only upon agricultural conditions, but upon congested cities. The disproportionate growth of our manufactures, approaching superfluity, is already exciting concern of our thoughtful economists. The logical and only efficient remedy for this hypertrophy lies in enlarged development of our agricultural resources and proportionate increase of our agricultural population. To this end the rural settlement movement cannot fail to contribute directly and by example.

The rural settlement must work toward the retention of the young people on the soil, to which they properly belong and check the undesirable move to the cities. The farmer may have his home in the town, driving to and from his work every day. But, if he prefers to live upon his land, the urban center will be close at hand to himself and his family. Its school may be readily reached by his children, and his wife may take part in its social life.

For the sake of justice to the afflicted and for the good of humanity, it is my right and duty to recommend Hollister's Rocky Mountain Tea. We owe our country and our fellowmen a duty. Tea or Tablets, 35 cents. Frank Hart.

TIRED AND SICK YET MUST WORK

"Man may work from sun to sun but woman's work is never done."
In order to keep the home neat and pretty, the children well dressed and tidy, women overdo and often suffer in silence, drifting along from bad to worse, knowing well that they ought to have help to overcome the pains and aches which daily make life a burden.

It is to these women that Lydia E. Pinkham's Vegetable Compound, made from native roots and herbs, comes as a blessing. When the spirits are depressed, the head and back aches, there are dragging-down pains, nervousness, sleeplessness, and reluctance to go anywhere, these are only symptoms which unless heeded, are soon followed by the worst forms of Female Complaints.



MRS. AUG. LYON

Lydia E. Pinkham's Vegetable Compound

keeps the feminine organism in a strong and healthy condition. It cures Inflammation, Ulceration, displacements, and organic troubles. In preparing for child-birth and to carry women safely through the Change of Life it is most efficient.

Mrs. Augustus Lyon, of East Earl, Pa., writes:—Dear Mrs. Pinkham:—"For a long time I suffered from female troubles and had all kinds of aches and pains in the lower part of back and sides. I could not sleep and had no appetite. Since taking Lydia E. Pinkham's Vegetable Compound and following the advice which you gave me I feel like a new woman and I cannot praise your medicine too highly."

Mrs. Pinkham's Invitation to Women

Women suffering from any form of female weakness are invited to write Mrs. Pinkham, at Lynn, Mass. Out of her vast volume of experience she probably has the very knowledge that will help your case. Her advice is free and always helpful.

Johnson's Wood Finishing Specialties and Ornamental Hardwood Floors

Refinish Your Woodwork Furniture and Floors.

Have you any Old Furniture or Woodwork to refinish? If so, then by all means refinish them. Make your Furniture and Wood harmonize by using

JOHNSON'S PREPARED SPECIALTIES

—See the following—

JOHNSON'S PREPARED WAX
A complete Finish and Polish for all woods

JOHNSON'S POWDERED WAX
For Ballroom Floors

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For Removing Old Finish

JOHNSON'S WOOD DYES
For Artistic Coloring of Woods. Made in all shades

WE ARE SOLE AGENTS.

The Foard & Stokes Hardware Co.

Incorporated

Successors to Foard & Stokes Co.

Ladies This is Something

That will interest you. My entire stock of trimmed hats must be sold. Trimmed hats from \$1.00 to \$7.00, nothing higher, nothing lower. Remember the place.

11th and Commercial St.
Star Theater Building.

Mrs. Minnie Petersen.

A Good Workman is Known by His Tools

A bad workman quarrels with his tools, but even a good workman quarrels with bad tools. No workman ever quarrels with tools bought of

Astoria Hardware Co.

Nor will he quarrel with us for having sold them to him.

Our reputation is made by sale added to sale. No one sale will make or break us; but the continued reputation of selling such good goods as we do, you cannot afford to despise.

Astoria Hardware Co., - 113 12th St.

BUILD UP! DRINK MALT!

Star Brewery Special Brew

Noted for it's

**PURITY QUALITY
CLEANLINESS**

A Great Appetizer, Equal to Imported Stout

\$1.75 the dozen

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