

PRELIMINARY WORK FOR THE ISTHMIAN CANAL.

The investigation of the water supply for the Isthmian canal was as important a factor in the selection of the route as the survey of the physical features of the country through which it must pass.

third, the possibility of storing water; and fourth a knowledge of the rainfall of the region, on which the flow of the stream depends.

One of the first steps taken in the investigation was a careful review in Paris of the records of rainfall and stream flow kept by the engineers of the French Panama Canal Companies, both first and second, which though fairly complete, were found lacking in respects to flood records.

The projected canal from Colon to Panama is 47 miles long, and for more than half its course it follows the valley of the Chagres river. Although the country is covered with heavy vegetation, the slopes are so precipitous and the rock is so near the surface that violent tropical rainfalls lasting only a few hours cause heavy and sudden floods.

The rainfall, though copious, was found to be peculiar on account of the striking difference in its amount on the northern and southern sides of the isthmus, the mean yearly rainfall at Colon being 130 inches, while that at Panama less than 70 miles distant, was only 66.8 inches.

CIRCULAR.

DEPARTMENT OF THE INTERIOR. GENERAL LAND OFFICE. WASHINGTON, D. C., October 25, 1902.

REGISTERS AND RECEIVERS, United States land offices in Arizona, California, Colorado, Idaho, Oregon, Washington, etc.

GENTLEMEN:

You are hereby directed, in addition to the instructions contained in office circular of September 9, 1902, to call the especial attention of all persons that have made, or are intending to make, homestead entries on lands that have been, or may hereafter be, temporarily withdrawn for irrigation purposes, to the following statement.

The withdrawal of these lands is principally for the purpose of making surveys and irrigation investigations in order to determine the feasibility of the plans of irrigation and reclamation proposed; only a portion of the lands will be irrigated even if the project is feasible; it will be impossible to decide in advance of careful examination what lands may be watered, if any; the mere fact that surveys are in progress is no indication whatever that the works will be built, and this fact can not determine how much water there may be available, or what lands can be covered, or whether the cost will be too great to justify the undertaking until the surveys and the irrigation

investigations have been completed.

Attention is called to the fact that all the entries made upon the lands referred are subject to the following proviso of the act of August 30, 1890, (26 Stat., 391):

That in all patents for lands hereafter taken up under any of the land laws of the United States or on entries or claims validated by this act, west of the one hundredth meridian, it shall be expressed that there is reserved from the lands in said patent described, a right of way thereon for ditches or canals constructed by the authority of the United States.

Under this provision of the law, should a homestead entry embrace land that is needed in whole or in part for a dam site, a reservoir, or a canal, the land would be taken for such purpose and the entryman would have no claim against the United States for the taking of such right of way.

You will post a copy of this circular in a conspicuous place in your office and give the subject matter hereof such general publicity as may be possible.

Very respectfully, BINGER HERMANN, Commissioner. Approved October 25, 1902. E. A. HITZCOCK, Secretary.

A Modern Soeman.

There is talk of deposing or otherwise disciplining our great and good friend, Hadji Mohammed Wolomol Kiram, Sultan of Sulu, because it is reported that he has been making roundups among his subjects and selling them for cash, contrary to the treaty with Uncle Sam, by which he was to receive a salary of \$187 a month, quit slave dealing and be our good friend and brother. But who can blame him for catching some Sulutes and selling them, considering what a paltry stipend is paid him, and that while when he made this treaty, he had only 67 wives, he now has 298, and expects to take on a good many more. No man can support such a family on such a miserable pittance paid the Sultan, to say nothing of maintaining the dignity of the throne. The government should at once abrogate the cause of the treaty prohibiting the selling of slaves or else grant His Excellency an increase of salary.

Saw Death Near.

"It often made my heart ache," writes L. C. Overstreet, of Elgin, Tenn., "to hear my wife cough until it seemed her weak and sore lungs would collapse. Good doctors said she was so far gone with Consumption that no medicine or earthly help could save her, but a friend recommended Dr. King's New Discovery and persistent use of this excellent medicine saved her life." It's absolutely guaranteed for coughs and all throat and lung diseases. 50c and \$1.00 at Adamson & Winnek Co. Trial bottles free.

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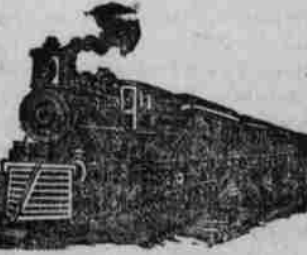
OREGON SHORT LINE AND UNION PACIFIC

Table with columns: DEPART, TIME SCHEDULES, ARRIVE. Lists routes to Salt Lake, Denver, Kansas City, St. Louis, Chicago, East, etc.

OCEAN AND RIVER SCHEDULE FROM PORTLAND.

Table with columns: DEPART, TIME SCHEDULES, ARRIVE. Lists shipping schedules for Columbia River Steamers, Willamette River, etc.

W. I. Lawrence, Agent, Biggs, Oregon.



Columbia Southern RAILWAY

Effective 12:01 A. M., September 9, 1900.

Table with columns: South Bound, North Bound, STATIONS, Daily Pass, Daily Freight, Arrive, Leave. Lists routes to Riggs, Gibbons, Wasco, etc.

J. J. HARRIS, Superintendent. C. E. LITTLE, G. P. A.

DOES IT PAY? Edison, Bell, Howe, Singer, McCormick, and other millionaire inventors began life poor. Fortunes await other inventors. Can you devise improvements on articles in common use? While you delay, others may patent your ideas. We guarantee against loss of fees paid us for services. Fees moderate and payable by installments. Inventor's Assistant sent free on request. Patent Attorney, Gopp & Co., Washington, D. C.

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W. T. FOGLE, Agent, Prineville, Oregon

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A New Departure

Beginning January 1, 1903, we will give a Numbered Coupon with every subscription to The Crook County Journal and on September 30, 1903, we will give away some valuable and useful articles to our subscribers. The value of these will be

\$500

and they will consist of articles for the stockman, the farmer, and the household, musical instruments and notions. This is no lottery, but we take this way of adding more names to our already large list. Those who hold the lucky coupons are entitled to articles valued at as high as \$60. Full particulars later.

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