

TO WATER PRIND AND

Eleven Oregon Projects Under Consideration.

90,000 ACRES IN MALHEUR

Exploited Reports of Engineers' Examinations to Determine What the Government Ought to Do.

OREGONIAN NEWS BUREAU, Washington, Feb. 10.—Eleven different irrigation projects in the State of Oregon are at present under examination by engineers of the reclamation service, to determine their feasibility and practicability. Every effort is being made to select the most promising projects and to get to work on them as soon as possible.

Malheur Project.

Mr. Whittier gives first attention to the Malheur project, which is a project of irrigation of about 90,000 acres of bench and bottom lands by storage in Harper reservoir and by diversion at the mouth of Malheur directly onto the western canyon of the Malheur river. This district is located at from 2150 to 2350 feet above sea level. It was at first supposed that only 75,000 acres could be reclaimed under this project.

Willow Creek Project.

The lower 20 miles of Willow Creek Valley contain 20,000 to 30,000 acres of excellent land, which is at present unimproved for agriculture. The water of the creek is largely unutilized. The north side canal under the Malheur project would cover a part of the lower end. The remainder of the valley can be reclaimed by storing the flood waters of Willow Creek.

Owyhee Project.

It would be practicable to irrigate 15,000 acres of land to the north of Owyhee in the bottom of Snake River, from the Owyhee, if storage were provided. It might also prove practicable to irrigate an equal or greater amount of land on the south side, and along Snake River, partly in Oregon and partly in Idaho. Several excellent reservoir sites exist on the upper Owyhee, but the river for the most part flows through a canyon from 300 to 400 feet above sea level. A great diversion can be made to cover any large body of land on either side, except at great and probably prohibitive expense.

Umatilla Project.

The irrigable lands under this project lie west of Umatilla River and south of the Owyhee in Columbia River. The elevation of these lands above sea level is from 300 to 700 feet. The project contemplates the use of flood waters from Umatilla River by storage, supplemented by any additional supply which can be obtained by diverting the flood waters of Willow Creek, or any of the tributaries of John Day River.

Silver Lake Project.

The lands for this project lie north of Silver Lake, in Lake County, and are what is locally known as the Low Desert, or Silver Lake Desert. There has also been included lands west of Silver Lake. The lands of Silver Lake Desert are a little lower than Silver Lake, which discharges a greater or less amount of water in different years toward Thorn Lake.

Odell and Crescent Lakes Project.

This project contemplates the storage of the flood waters of Odell and Crescent Lakes and of the East Fork of Deschutes River, and their diversion across the Walker Mountains onto the Silver Lake Desert, as described under the Silver Lake project.

Harney Project.

The Harney project contemplates the irrigation of lands in Harney Valley, 150 miles south and west from the mouth of Malheur River. It is nearly a round valley of approximately 70 square miles and carries a great deal of water. The year's record shows that sufficient water could have been stored in Silver Lake reservoir to irrigate 90,000 acres if not required for irrigation under present uses. With the present practice of flooding wild hay lands, using from two

to five times the amount of water actually required if properly distributed, it is doubtful if in seasons of ordinary run-off there is more than sufficient water to meet the demands. Embankment along Silver Creek alone, during the one year of which there is a record, furnished probably ample water for all the lands now cultivated, even under the present extravagant methods of irrigation. An excellent reservoir site exists in Silver Valley, about 20 miles north of Harney Valley.

Beet-Sugar Men The Decoy

Trust Absorbed All Reduction on Cuban Sugar Due to Reciprocity, but Can't Control Philippines.

Object to Control

Rebels in Santo Domingo Threaten American.

Auto Hits President's Carriage

Barrett Will Stay at Panama

Vocal Festival Called Off

Time Said to Be Insufficient for Training Big Chorus

Work of the Office-Seeker

Judge Abbott Explains Source of Trouble at Monte Cristi

Trust Gets All the Reduction

Plans for Jiu-Jitsu Exhibition

Meeting of Aids Society

American Authors Plead for Meeting

Cruiser Sully Goes to the Bottom

Exodus From Vladivostok

Roosevelt Will Force Redress

Diaregard Chief's Orders

Leiper Holds Custom-House

Official Report Says Dominican Leaders Oppose American Control

Trust Can't Control Philippines

LION IN THE PATH

Sugar Trust Prevents Justice to Philippines.

Trust Absorbed All Reduction on Cuban Sugar Due to Reciprocity, but Can't Control Philippines.

Object to Control

Rebels in Santo Domingo Threaten American.

Auto Hits President's Carriage

Barrett Will Stay at Panama

Vocal Festival Called Off

Time Said to Be Insufficient for Training Big Chorus

Work of the Office-Seeker

Judge Abbott Explains Source of Trouble at Monte Cristi

Trust Gets All the Reduction

Plans for Jiu-Jitsu Exhibition

Meeting of Aids Society

American Authors Plead for Meeting

Cruiser Sully Goes to the Bottom

Exodus From Vladivostok

Roosevelt Will Force Redress

Diaregard Chief's Orders

Leiper Holds Custom-House

Official Report Says Dominican Leaders Oppose American Control

Trust Can't Control Philippines

LION IN THE PATH

Sugar Trust Prevents Justice to Philippines.

Trust Absorbed All Reduction on Cuban Sugar Due to Reciprocity, but Can't Control Philippines.

Object to Control

Rebels in Santo Domingo Threaten American.

Auto Hits President's Carriage

Barrett Will Stay at Panama

Vocal Festival Called Off

Time Said to Be Insufficient for Training Big Chorus

Work of the Office-Seeker

Judge Abbott Explains Source of Trouble at Monte Cristi

Trust Gets All the Reduction

Plans for Jiu-Jitsu Exhibition

Meeting of Aids Society

American Authors Plead for Meeting

Cruiser Sully Goes to the Bottom

Exodus From Vladivostok

Roosevelt Will Force Redress

Diaregard Chief's Orders

Leiper Holds Custom-House

Official Report Says Dominican Leaders Oppose American Control

Trust Can't Control Philippines

Fifty-ninth Annual Report

CONNECTICUT MUTUAL LIFE INSURANCE COMPANY

High Praise for Mr. Miller

Secretary Hay Recommends Him to President for Promotion.

Beet-Sugar Men The Decoy

Trust Absorbed All Reduction on Cuban Sugar Due to Reciprocity, but Can't Control Philippines.

Object to Control

Rebels in Santo Domingo Threaten American.

Auto Hits President's Carriage

Barrett Will Stay at Panama

Vocal Festival Called Off

Time Said to Be Insufficient for Training Big Chorus

Work of the Office-Seeker

Judge Abbott Explains Source of Trouble at Monte Cristi

Trust Gets All the Reduction

Plans for Jiu-Jitsu Exhibition

Meeting of Aids Society

American Authors Plead for Meeting

Cruiser Sully Goes to the Bottom

Exodus From Vladivostok

Roosevelt Will Force Redress

Diaregard Chief's Orders

Leiper Holds Custom-House

Official Report Says Dominican Leaders Oppose American Control

Trust Can't Control Philippines

Fifty-ninth Annual Report

CONNECTICUT MUTUAL LIFE INSURANCE COMPANY

High Praise for Mr. Miller

Secretary Hay Recommends Him to President for Promotion.

Beet-Sugar Men The Decoy

Trust Absorbed All Reduction on Cuban Sugar Due to Reciprocity, but Can't Control Philippines.

Object to Control

Rebels in Santo Domingo Threaten American.

Auto Hits President's Carriage

Barrett Will Stay at Panama

Vocal Festival Called Off

Time Said to Be Insufficient for Training Big Chorus

Work of the Office-Seeker

Judge Abbott Explains Source of Trouble at Monte Cristi

Trust Gets All the Reduction

Plans for Jiu-Jitsu Exhibition

Meeting of Aids Society

American Authors Plead for Meeting

Cruiser Sully Goes to the Bottom

Exodus From Vladivostok

Roosevelt Will Force Redress

Diaregard Chief's Orders

Leiper Holds Custom-House

Official Report Says Dominican Leaders Oppose American Control

Trust Can't Control Philippines

Fifty-ninth Annual Report

CONNECTICUT MUTUAL LIFE INSURANCE COMPANY

High Praise for Mr. Miller

Secretary Hay Recommends Him to President for Promotion.

Beet-Sugar Men The Decoy

Trust Absorbed All Reduction on Cuban Sugar Due to Reciprocity, but Can't Control Philippines.

Object to Control

Rebels in Santo Domingo Threaten American.

Auto Hits President's Carriage

Barrett Will Stay at Panama

Vocal Festival Called Off

Time Said to Be Insufficient for Training Big Chorus

Work of the Office-Seeker

Judge Abbott Explains Source of Trouble at Monte Cristi

Trust Gets All the Reduction

Plans for Jiu-Jitsu Exhibition

Meeting of Aids Society

American Authors Plead for Meeting

Cruiser Sully Goes to the Bottom

Exodus From Vladivostok

Roosevelt Will Force Redress

Diaregard Chief's Orders

Leiper Holds Custom-House

Official Report Says Dominican Leaders Oppose American Control

Trust Can't Control Philippines

IN TOMORROW'S OREGONIAN

FINAL ADVENTURES OF SHERLOCK HOLMES.

First of a series of 13 stories, each complete in itself, from the pen of Sir Arthur Conan Doyle—the best detective stories ever written. In "The Myster of the Empty House," Sherlock Holmes, who was supposed to be dead, returns to London and there follows a story of adventure equal to his best. No one who reads it is going to be disappointed.

HINTS FOR THE HOME DRESSMAKER.

A new feature for the woman's page by an expert, giving practical instruction as to making clothes at home, illustrated with cuts and diagrams that cannot be mistaken.

OUR NEW PROTECTOR, SANTO DOMINGO.

Interesting facts concerning the little mulatto republic now "in book" that Uncle Sam will try to redeem.

NEW FIND OF PRECIOUS METAL IN NEVADA.

Stamped to the sagebrush town of Goldfield, which already numbers 8000 people. Enthusiasts believe that enough ore is in sight to require 50 years to clean up.

MANLY VIGOR POSSIBLE IN OLD AGE.

A practical physician—the man who attended James G. Blaine—in an interview points out a way to prolong the attributes of youth. Common sense is the guide.

FORTUNES IN JEWELS AT THE OPERA.

A New York correspondent tells of \$15,000,000 worth of jewels worn by women in metropolitan opera-house audiences, with portraits of wearers.

ANENT ST. VALENTINE'S DAY.

An article on novelties in Portland shops; a sympathetic story of a schoolgirl whom the saint narrowly missed; a newspaper office romance, "A Valentine by Chance," and several good things on the children's page.

ALL THE NEWS AND CUSTOMARY DEPARTMENTS.

said to pretend that they have received no instructions from the Dominican government to hand over the direction of the custom-house. The telegraph wires are being cut.

Merchants landed from the steamer Seminoles from New York, has been placed in bond. As the Dominican authorities decline to permit Lieutenant-Commander Leprieur to take his ship to its destination, Rear-Admiral Sigbee also refused to let the Dominican collector act.

The people are threatening to take the goods for force. The collector of the custom-house, a searchlight on the custom-house Wednesday night and had boats ready to land blue jackets in case of trouble.

Many persons of important standing in Monte Cristi have signed a protest against the protocol, but generally speaking, it is accepted by the rest of the country as being the best arrangement for the settlement of the claims and debts.

WORK OF THE OFFICE-SEEKER

There was apparently at one time a bridge across the river from Silver Lake to Chewanan Marsh and Abert Lake basin. By crossing this with a long pipe line it will be possible to cover 40,000 acres of land.

The state has applied for the withdrawal of about 14,000 acres of the former land under the Carey act. It is also applying for the withdrawal of about 14,000 acres to undertake the project for the remainder.

Owing to the high elevation, late frosts frequently occur in the bottom of the valley, partly in Oregon and partly in Idaho. Several excellent reservoir sites exist on the upper Owyhee, but the river for the most part flows through a canyon from 300 to 400 feet above sea level. A great diversion can be made to cover any large body of land on either side, except at great and probably prohibitive expense.

The lands on the north side of the river can all be covered by water for the Malheur project. There is at present a ditch diverting water from the mouth of Owyhee canyon, irrigating 3000 to 6000 acres somewhat unsatisfactorily in ordinary years. This is about the limit of area possible to irrigate well without storage. Surveys are being continued from the Malheur project across to the south side of Owyhee, and including all the area below the highest practicable diversion point on the river. A very small portion of the area which can be irrigated from Owyhee River is unutilized. It would not be practicable to irrigate the land on the north side of the river has been subscribed to the Malheur Water Users' Association.

The irrigable lands under this project lie west of Umatilla River and south of the Owyhee in Columbia River. The elevation of these lands above sea level is from 300 to 700 feet. The project contemplates the use of flood waters from Umatilla River by storage, supplemented by any additional supply which can be obtained by diverting the flood waters of Willow Creek, or any of the tributaries of John Day River.

Probably not less than 150,000 acres of land is available in this region if the water supply can by any means be increased so as to cover it.

The growing seasons are long and the winters short and usually mild. Crops of alfalfa can be raised. In Butter Creek bottoms, with one flood irrigation, three crops of alfalfa are grown, yielding five to eight tons per acre for the season. With these conditions it was felt the land could stand a possible charge of 35 per acre.

Of the total area of irrigable land under consideration, two-thirds, at least, is unutilized, and the major portion of patented land is Northern Pacific Railroad grant land.

Last year's work was started sinking test pits over reservoir site, embankment line and feed canal line, with a view to authorizing early construction. The test pits in the reservoir site disclosed the fact that a not inconsiderable area of the lower part of the reservoir site and embankment line was underlain by beds of coarse gray sand from 5 to 40 and more feet in thickness. For this reason the board of consulting engineers, after a careful examination, concluded that the reservoir site was impracticable and suggested search for others.

Another site similar to and immediately north of the one condemned by the board was located and examinations are now being made to determine its practicability.

Examinations have also been made to determine if there are any possible areas of diverting water from John Day River over the divide onto these lands. This examination has so far been entirely without success.

Harney Project.

The Harney project contemplates the irrigation of lands in Harney Valley, 150 miles south and west from the mouth of Malheur River. It is nearly a round valley of approximately 70 square miles and carries a great deal of water. The year's record shows that sufficient water could have been stored in Silver Lake reservoir to irrigate 90,000 acres if not required for irrigation under present uses. With the present practice of flooding wild hay lands, using from two

Fifty-ninth Annual Report

CONNECTICUT MUTUAL LIFE INSURANCE COMPANY

High Praise for Mr. Miller

Secretary Hay Recommends Him to President for Promotion.

Beet-Sugar Men The Decoy

Trust Absorbed All Reduction on Cuban Sugar Due to Reciprocity, but Can't Control Philippines.

Object to Control

Rebels in Santo Domingo Threaten American.

Auto Hits President's Carriage

Barrett Will Stay at Panama

Vocal Festival Called Off

Time Said to Be Insufficient for Training Big Chorus

Work of the Office-Seeker

Judge Abbott Explains Source of Trouble at Monte Cristi

Trust Gets All the Reduction

Plans for Jiu-Jitsu Exhibition

Meeting of Aids Society

American Authors Plead for Meeting

Cruiser Sully Goes to the Bottom

Exodus From Vladivostok

Roosevelt Will Force Redress

Diaregard Chief's Orders

Leiper Holds Custom-House

Official Report Says Dominican Leaders Oppose American Control

Trust Can't Control Philippines

Fifty-ninth Annual Report

CONNECTICUT MUTUAL LIFE INSURANCE COMPANY

High Praise for Mr. Miller

Secretary Hay Recommends Him to President for Promotion.

Beet-Sugar Men The Decoy

Trust Absorbed All Reduction on Cuban Sugar Due to Reciprocity, but Can't Control Philippines.

Object to Control

Rebels in Santo Domingo Threaten American.

Auto Hits President's Carriage

Barrett Will Stay at Panama

Vocal Festival Called Off

Time Said to Be Insufficient for Training Big Chorus

Work of the Office-Seeker

Judge Abbott Explains Source of Trouble at Monte Cristi

Trust Gets All the Reduction

Plans for Jiu-Jitsu Exhibition

Meeting of Aids Society

American Authors Plead for Meeting

Cruiser Sully Goes to the Bottom

Exodus From Vladivostok

Roosevelt Will Force Redress

Diaregard Chief's Orders

Leiper Holds Custom-House

Official Report Says Dominican Leaders Oppose American Control

Trust