

IRRIGATIONISTS USE TOO MUCH WATER

Department of Agriculture Shows Scanty Water Supply is Sometimes Beneficial.

Washington.—The department of agriculture, which for years has conducted irrigation experiments in the west with a view to determining the proper quantity of water needed for irrigation of various crops in different localities, and the best methods of applying water to the land, continued its work during the past season, but modified its plans somewhat to meet the demands for information which came from new settlers in the irrigated country. Speaking of this work, Secretary Wilson, in his annual report says:

Too Much Waste.

"In former days water for irrigation was both plentiful and cheap, and in attempting to use it much was wasted. In many parts of the west the old wasteful methods still prevail, although the value of water has increased many fold. The results of seepage measurements of irrigation channels obtained by the department coupled with the high price of water rights and the rise in value of agricultural products, have induced many companies to line their main canals. As a result many channels which formerly lost from 20 to 30 per cent of their total flow are now practically watertight. In many cases such improvements would not have been made if the attention of the managers had not been called by our engineers to the large losses sustained and the best means of preventing this waste.

Extravagant Use.

"In other cases farmers used large amounts of water without realizing how excessive was the use until measurements were taken. When the irrigation of the San Joaquin valley in California first began to apply water to what had been dry-farmed grain fields they frequently used over 9 feet. Now about one-third of this amount is found to be ample. "The water users in Greeley and neighboring districts in Colorado used to think their crops would burn up unless they had a miners' inch of water to the acre. Now they are raising crops on the same ground that are worth about four times as much with one-fourth the water formerly used. They are learning that cultivation takes the place of irrigation to a large extent.

What Experiments Show.

"The demonstration farms established in former years have been maintained. These have been of great value the past year in showing—among other things—the benefits to be derived from the use of scanty

water supplies on small farms in connection with dry farming. At the Cheyenne farm during the past season 54 bushels of oats were raised per acre with the application of only 8 inches of irrigation water, while the crop grown without irrigation was practically a failure. Alfalfa yielded 1,505 pounds of hay per acre with the application of 13.3 inches, while the unirrigated field yielded only 559 pounds. Beardless barley, with the application of 9.7 inches of water, yielded 31 bushels per acre; that unirrigated and raised on summer fallowed ground yielded only two and one-half bushels. At Gooding, Idaho, 8.8 tons of red clover was harvested from land which received only 19 inches of irrigation water. These results show what can be done with a limited supply of water when properly applied.

Work of Department.

"The need of investigating the questions which arise in connection with the use of water in irrigation is so keenly felt by the people of the west that several western states are now co-operating with the department in the prosecution of these studies. For years he states of California and Utah have given dollar for dollar in carrying on this work. The states of Idaho and Wyoming are likewise contributing considerable sums for the co-operative investigation of problems peculiar to those states. In time it is expected that many other states will enter the co-operative arrangements with the department for the investigation of irrigation problems."

AN EXCITING GAME AT PASTIME ALLEYS

The Bond Bros' team went ahead of the Boston Bowlers Thursday at the Pastime bowling alleys in a close and exciting game which was marked by good and bad bowling on both sides. Hoover of the Bond Bros. rolled high score, 186, and high total, 515. The following are the scores:

Bond Bros.			
Hoover	153	186	176-515
Anderson	156	157	170-484
Goodman	171	157	155-483
Crystal	165	154	110-429
Wagner	123	168	151-382
Totals	768	763	762-2298
Boston Bowlers.			
Noel	177	167	147-491
McDevitt	158	144	179-481
Estes	127	139	140-406
Taylor	157	159	158-474
Corby	135	149	113-387
Totals	754	748	737-2239

The teams now stand as follows: Bond Bros., 16,351 in seven games. Boston Bowlers, 16,324, in seven games.

Bowling Alley, 13,865 in six games. Alexanders, 13,659 in six games. Wagner of the O. K. barber shop is giving a pipe to the man coming out with high single average and Noel of the Boston Bowlers seems to have this won in a walk with an average of 175.1 in twenty games to roll. Hoover of the Bond Bros. team is his nearest opponent with 171.6. Next Tuesday the bowling alley and Alexanders' teams will clash. Everybody is cordially invited.

Many persons find themselves affected with a persistent cough after an attack of influenza. As this cough can be promptly cured by the use of Chamberlain's Cough Remedy it should not be allowed to run on until it becomes troublesome. Sold by all dealers.

CURT WOULD COMBINE THEATRE AND HOTEL

Within a year North Yakima may have a new combined theater and hotel building of magnificent proportions on the corner of Second and A streets, where the Yakima theatre now stands, according to a statement by John Curt, the well-known theatrical magnate, who arrived here yesterday from Seattle, says the Re-

The Greater Alexander Dept. Store

Our Saturday After Supper Sales have been a great success, the store being crowded at every sale

TONIGHT AFTER SUPPER

We Expect to have our Store Packed and have increased our Salesforce so as to make Shopping Easy

Mens Bath Robes

All Men's Bath Robes, assorted patterns, this year's styles, values up to \$7.50, tonight your choice **\$4.95** After supper only.

Mens Quilted Smoking Jackets \$5.25

These jackets are beautifully embroidered and can be had in a large range of colors. These jackets are bargains at \$8.50, but for our after supper special tonight **\$5.25**

Mens Fancy Hose 25c

Lord & Taylor fancy Hosiery, very best of patterns. Hose that never sell for less than 50c, tonight after supper **25c**

Ladies Hose Supporters 20c

All ladies' side hose supporters, black, white, pink and blue, plain and frilled silk elastic, regular 35c and 50c quality, tonight after supper **20c**

Ladies Dress Gloves 90c

Black, white and all colors, never sold for less than \$1.25, tonight after supper **90c**

Figured and Plain Scrim 16 2-3c

Our entire stock of figured curtain scrim, regular 35c, 50c, 75c and \$1.00 values for tonight only, after supper **16 2-3c**

MRS. J. M. COOK,
Pendleton, Oregon.

You are cordially requested to call at the Alexander Dep't. store dry goods section, before Monday noon Dec. 19, and receive absolutely free a couple of tickets to the "Cosy" motion picture show. We are giving these as a treat to you.

Yours truly,

GREATER ALEXANDER DEPT. STORE.

Special Christmas Sale Tonight After Supper In Ladies and Childrens SHOE DEPARTMENT

CHILDREN'S SPECIALS.

\$3.00 Jockey boots, all colors and sizes **\$2.25**
\$2.50 Jockey boots, all colors and sizes **\$2.00**
\$2.00 Jockey boots, all colors and sizes **\$1.60**
Every patent lace shoe at **13 off.**
25c Shoe Polish **15c**
10c Shoe Polish **5c**

LADIES' SPECIALS.

\$4.00 Shoes, all leathers **\$3.25**
\$3.50 Shoes, all leathers **\$2.95**
\$3.00 Shoes, all leathers **\$2.25**
\$1.50 Boudoir slippers, all colors **98c**



Soo-Spokane Route THE SHORT LINE TO MINNEAPOLIS, ST. PAUL AND ALL POINTS EAST.

EQUIPMENT: Electric-lighted Observation Cars and Standard Sleepers, the most up-to-date Tourist Cars and through diners.

Through tickets to all points east are on sale by your local agent at lowest current fares.

Details Berths Literature G. M. Jackson, T. P. A., Geo. A. Walton, Gen. Agt., 14 Wall St., Spokane.

California

Is the place to visit. Orange groves in full bloom, tropical flowers, famous hotels, historic Old Missions, attractive watering places, delightful climate, making that favored section the Nation's most popular retreat. You can see it at its best via the

SHASTA ROUTE

and "The Road of a Thousand Wonders" Southern Pacific Company

Up-to-date trains, first-class in every respect, unexcelled dining car service, quick time and direct connections to all points south.

SPECIAL ROUND TRIP FARE OF **\$55** Portland to Los Angeles and Return

With corresponding low fares from all other sections of the Northwest. Liberal stop-overs in each direction and long limit. Interesting and attractive literature on the various resorts and attractions of California can be had on application to any S. P. or O. R. & N. Agent, or from

WILLIAM McMURRAY,
General Passenger Agent, Portland, Oregon.

public. On Friday morning Mr. Curt and H. J. Snively, who owns two lots next to the theatre, will confer together and probably come to a definite conclusion whether or not the building is planned to be of fire-proof material and thoroughly metropolitan. It will be a six-story structure and will occupy space 125 by 140 feet. The estimated cost of the combined theatre and hotel is placed at \$250,000, and it is expected that Yakima people will subscribe liberally in support of the project. Mr. Curt says the city is undoubtedly in need of a new theatre, and he thinks a building such as is now contemplated would be a valuable addition to the city.

The greatest danger from influenza is of its resulting in pneumonia. This can be obviated by using Chamberlain's Cough Remedy, as it not only cures influenza, but counteracts any tendency of the disease towards pneumonia. Sold by all dealers.

BRYAN SAYS TAFT IS CHIEF OF STANDPATTERS

Lincoln, Neb., Dec. 16.—That Taft is entitled to a seat at the head of any gathering of "loyal standpatters" and that he is the logical candidate for the republican presidency in 1912 are the conclusions of W. J. Bryan in the Commoner today after studying the annual message. "The annual message is not notable for its length," he says. "If Taft's sympathies for the special interests are not already known, the message would be distinguished for its leanings toward the system which the people are trying to regulate."

The peculiar properties of Chamberlain's Cough Remedy have been thoroughly tested during epidemics of influenza, and when it was taken in time we have not heard of a single case of pneumonia. Sold by all dealers.

ENGLISH ELECTIONS HAVE NOT BEEN DECISIVE

London, Eng., Dec. 18.—The voting on the elections ends tomorrow. It is predicted that a short session of parliament will be called and then another election ordered. The election thus far has not been decisive, so it is probable King George won't create enough liberal peers to take away the power of the lords to veto the common's measures. This means the liberals will continue obstructive tactics at the next parliament so that an early ending may be brought about.

TO CURE A COLD IN ONE DAY. Take LAXATIVE BROMO Quinine Tablets. Druggists refund money if it fails to cure. E. W. GROVE'S signature is on each box 25c.

Christmas Trees. Call at V. Stroble's or the Bowman photo gallery, or phone orders to Black 2918. J. H. Gibson. Large supply at reasonable prices.

JESSE PARKER WAS CONVICTED OF MANSLAUGHTER

La Grande, Ore.—Just 12 hours to the minute from the time the case against Jesse Parker, accused of shooting his father-in-law. The jury retired at exactly 6 o'clock last night and returned a verdict at exactly 6 o'clock this morning.

Parker shot his father-in-law at the victim's home during a quarrel with his wife, who was seeking a divorce. Parker and his wife were in a dispute at that particular moment over their little son and during the dispute Porter rushed up. Parker shot him dead.

The defense claimed self-defense, saying that Porter came at Parker with a gun in his hand. At various times and places the family troubles reached acute stages, and guns played an important part often. The trouble between the Parker and Porter families was long standing and in it judges, churches and other organizations figured conspicuously in that they attempted to settle it.

The defense refuted the testimony of the state and the state of the defense, so that to the casual listener to the evidence it would be impossible to judge which side had the best of the argument. Parker expected an acquittal, though was unperturbed, and through the entire case has assumed an indifferent air, his friends showing more nervousness than he. He will be sentenced within a few days, though it is supposed his case will be appealed.

GOVERNMENT TO BUILD GREAT DAM AT BOISE

Boise, Idaho.—The largest dam which has yet been figured on by the reclamation service will be located on the Boise river, either at Arrow Rock or Hell Gate, on the lower Boise, according to the statement of A. P. Davis, chief engineer of the reclamation service, who is here from Washington, and will spend 19 days in this field investigating sites and looking over the project here and in southeastern Idaho.

Thus far the Arrow Rock site is considered the most satisfactory, but either site will back water up both tributaries of the river for several miles and affect the drainage of the basin country. Davis estimates that it will require fully six years to construct the dam, and that it will cost over \$3,000,000. He says if the appropriation goes through preliminary work will be started this winter and a full force will be put on as soon as the water recedes next summer, wing dams and other work being necessary before the main structure can be started.

Mr. Davis states that the dam will be the largest ever built by the reclamation service and will contain ap-

proximately 400,000 cubic yards of masonry. It will be higher and more expensive than the famous Roosevelt dam in the Salt River valley of Arizona, which is 290 feet high, was built at a cost of nearly \$2,000,000 and required five years of continuous construction work. Mr. Davis, who has paid numerous visits to this section investigating the projects at various seasons of the year, believes the construction of the big dam up the river will completely solve the water problem for all time for the Boise valley, as it will store 160,000 acre feet. With the Deer Flat reservoir to supply the lower country and the big dam above for the upper section, this part of the state will be one of the best watered regions in the United States.

BANDIT ROBBED BANK; KILLED BY POSSE

Paradise, Kansas, Dec. 16.—The body of the bandit who yesterday robbed Cashier O'Brien and four other men and also the Paradise State bank and then killed himself when surrounded by a posse, was brought to this city today. An inquest will be held tomorrow. Efforts are being made to identify the bandit. It is not known whether he is Earl Ward or that is an assumed name. He was a stranger here. The money was recovered.

Everybody goes to the Orpheum to see the best and the clearest pictures.