

ECONOMIC USE OF WATER GIVES BEST IRRIGATION RESULTS

U. S. Government Tests at Hermiston Show Storage Capacity of Soils Low.

SHORT FURROW IS URGED Loss from Deep Percolation, Unless Water is Deep One Place for a Short Time.

Washington, July 21.—On the sandy soils of the Umatilla reclamation project in Oregon it is necessary to handle irrigation water very carefully in order to get the greatest benefit.

Specialists in charge of this work lay emphasis on the use of short furrow furrows, ranging from 100 to 200 feet in length, and 20 to 30 inches apart, using fairly shallow, well-opened furrows to facilitate the flow of water.

On virgin land without crops it was found that a 2 1/2-inch application of water was retained in the first four feet of soil, 5 inches of water applied under identical conditions, filled the first 10 feet to its full carrying capacity, and part of the water passed over below this depth.

Heavy Irrigation Wastes Water. Where the land was of finer texture than in the above experiment, and bearing a crop of alfalfa, a 4-inch application of water was retained in the upper four feet. This shows that in either case, heavy losses result from applying heavy irrigations to the lighter soils on the Umatilla project.

Damage from Seepage is Capable of Holding Losses by Deep Percolation, all of it that is not held within the root zone of the crop, and furthermore, he may damage adjacent land by contributing to the underground seepage.

Woodland Work Starts. Woodland, Wash., July 21.—Active work on the grading of the road projectors to laying the concrete was begun yesterday morning by Jeffries & Burton, on the 6800 feet of new state aid road to be laid immediately north of town, adjoining the concrete street north of town.

Dairy Cows—Route—Seaside Cottage. "Want Ads" such as the following may be found every day in the "Want Ad" columns of The Journal.

George Brown Got His for Mashing Wrong Woman

George Brown picked the wrong woman, when he tried to flirt with Mrs. Harry Holland, wife of the driver of Chief Clark's automobile.

Spit—nam, the sound of Mrs. Holland's hand bag as it came in contact with George Brown's face.

At this instant Motorcycle Patrolman Morris Sims and Holland himself, saw the action, and came running.

Mayor of Chicago After Presidency William Hale Thompson Announces He Would Accept Republican Nomination to Succeed Wilson in 1916.

Los Angeles, Cal., July 21.—(U. P.)—Just before leaving for San Diego early today, Mayor William Hale Thompson of Chicago said that he would be the Republican candidate for president in 1916.

Illinois Has Three Candidates. Chicago, July 21.—(U. P.)—Interest was shown here today in the dispatch from Los Angeles stating that Mayor Thompson of Chicago had indicated his willingness to be the Republican candidate in 1916.

Bryan Will Pay Portland a Visit Ex-Secretary of State Was Promised to Lecture on "Fundamentals" Soon in Portland.

Vienna Cholera Infected. London, July 21.—(U. N. S.)—The Times has received a dispatch from Christiania saying an official of the Norwegian foreign office has announced that the Norwegian minister to Vienna declares the Austrian capital to be infected with cholera.

Becker's Story of Crime Borne Out

Former Secretary of "Big Tim" Sullivan Corroborates Becker's Claim That Sullivan Was in Plot.

New York, July 21.—(U. N. S.)—The story told several days ago by former Police Lieutenant Charles F. Becker, under sentence of death for complicity in the murder of Herman Rosenthal, involving the late "Big Tim" Sullivan, was corroborated in many respects today by Harry Applebaum, former secretary to "Big Tim."

Governor Receives Appeal. Albany, N. Y., July 21.—(U. N. S.)—Governor Whitman today received documents from the New York State Department of Corrections for former Police Lieutenant Charles Becker, under sentence of death for complicity in the murder of Herman Rosenthal.

Wabash Railroad Sold at Auction St. Louis, Mo., July 21.—(U. N. S.)—Properties of the Wabash railroad, a \$28,000,000 corporation, was sold under the hammer this afternoon for \$18,000,000 to Robert Goetz and H. R. Winthrop, both of New York, representing the road's reorganization committee.

Daughter Still Held by Father Spokane, Wash., July 21.—(U. P.)—A girl of 16, held by her father, was prevented from turning over to a Seattle deputy sheriff Marguerite Wesner, 18, who was arrested by a court order issued by Judge Ronald R. Ford.

Mob Threatens U. M. C. Factory Bridgeport, Conn., July 21.—(U. N. S.)—A mob which gathered shortly before noon in front of the U. M. C. factory here, this afternoon was growing in size before the end of the month, and will make at least one address during his stay in the city.

Promote Pension System. New Haven, Conn., July 21.—(U. N. S.)—The Winchester Repeating Arms company this afternoon announced it soon would inaugurate an employees' pension system similar to that of the American Telephone & Telegraph company and other big concerns.

Cardinal's Secretary Jailed. Amsterdam, July 21.—(U. N. S.)—The Tyd announces that Cardinal Mercier's secretary has been sentenced to a month's imprisonment. No details respecting the cause of the sentence are given.

LANSING FINISHES U. S. NOTE TO GERMANY; IT IS TO GO ON SATURDAY

President Wilson Typewrites His Draft of Note Until Late Into the Night.

Washington, July 21.—Secretary of State Lansing this afternoon personally finished the final draft of the new American note to Germany, a demand for modification of the use of submarines on a humanitarian basis.

Germany Suffers From Cotton Lack All Cotton Goods Factories at Cronau Are Closed; Whatever Raw Cotton Smuggled Through Goes to Krupp.

Hunt Relatives of Murdered Woman Los Angeles, July 21.—(U. P.)—Detectives are investigating unnecessary in the case of W. H. Warren, private detective, who ended his life after killing Mrs. Gretie Carter, pretty divorcee.

Seaside Official Pleads Not Guilty Seaside, Or., July 21.—John L. Berry, city auditor and police judge, recently indicted by the Clatsop grand jury, was summoned to Astoria today and pleaded not guilty to a charge of malfeasance in office.

Russians Seek a Lloyd-George. Petrograd, July 21.—(U. P.)—Creation of a ministry of munitions, similar to that formed in England, is authorized by the Russian duma. It was announced here today.

Visitors to the Navy Yard Must Now Give Name

Bremerton, Wash., July 21.—(U. P.)—If you visit the navy yard or any of the ships there, you must register.

Germany Suffers From Cotton Lack All Cotton Goods Factories at Cronau Are Closed; Whatever Raw Cotton Smuggled Through Goes to Krupp.

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SUPPLIES ARE CUT OFF FROM CITY OF MEXICO; FEW AMERICANS LEFT

Looting Reported at Naco When Villa's Forces Are Leaving.

Denies Capture of Capital. Guaymas, Tex., July 21.—(U. N. S.)—Mexican Consul Burns today denied the reported capture of Mexico City by the Zapatistas.

Hero Saves Two; One Is Drowned Ernest G. Stewart, Tacoma School Teacher, Was Taking Wife and Baby for Ride and Canoe Turned Over.

Headquarters for Men's, Women's and Children's Bathing Suits, Trunks, Suit Cases and Bags, 4th Floor — Tea Room, 4th Floor.

DOUBLE STAMPS Given Tomorrow With Cash Purchases in All Departments Except Groceries.

Millinery Clearance Trimmings Alone on many of these hats are worth more than the above price.

Hammocks Reduced 4th Floor—Full size Hammocks of extra heavy cotton.

Coffee Day Tomorrow! Grocery Dept., 4th Floor—No deliveries of these specials except with other purchases made in Grocery Dept. tomorrow.

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The body of Ernest C. Stewart, a Tacoma school teacher, drowned at the mouth of the Skokomish river, when the canoe in which he was taking his wife and baby for a ride was turned, was brought back to this city today.

Without waiting even to remove his coat, Nelson plunged in. He first got the baby on top of the canoe, then grasped the drowning woman and towed her and the canoe to shore.

Big Party Visits Lake. Medford, Or., July 21.—The largest tourist party ever to visit Crater Lake left Medford today in 13 automobiles under the direction of J. K. Grimm of Lancaster, Pa.

Shaving was introduced among the Romans about 300 B. C. The first shave was deemed the entrance to manhood and celebrated with great festivities.

Be Careful what MALTED MILK you drink Ask for HORLICK'S or you may get a cheap substitute and pay the same price

FILMS Developed FREE To introduce the quality of the work now being turned out by our augmented corps of photographic experts we will develop FREE all films whether purchased here or not.

Solid Comfort For less than a-Cent-an-Hour What gives more comfort than a cool breeze, on a hot day in the city?

4 Trains Daily to Exposition Secrecy unsurpassed. Ample accommodations. Every mile protected by Automatic Electric Block Safety Signals. \$30 To San Francisco and Back