

tion, is rugged and suitable only for the production of trees." The belief is gaining ground at Washington that not only should the up in this correspondence in detail later, investigations have been made of sevforest reserves be extended to this degree, but that the entire remaining public forest lands should be permaneral other Montana projects. In the country south of the Milk river a gentimbe

RECLAMATION OF

THE ARID LANDS.

Chief Engineer Newell's Report

Will Soon be Issued to

The Public.

ABOUT HEADWATER FORESTS.

The Salt River Valley, Idaho Deserts,

Montana Projects and Other Im-

portant Undertakings.

Washington, Jan. 6 .- The second an-

nual report of the irrigation reclama-

tion service, under the charge of Fred-

erick H. Newell is now in proof and will

soon be issued as a public document.

The report will give a general descrip-

tion of the work being done by the

government in the various western

states and territories under the national

irrigation law. Actual construction

has been begun in Arizona and Neva-da on two great projects which will re-

claim several hundred thousand acres of fertile land and build it up into

dense agricultural communities. De-tailed surveys have been and are being

made of numerous other projects and

several of these will be taken up dur-ing the coming year. By the end of

the present fiscal year there will doubt-less be something like 23 or 24 million dollars in the reclamation fund for this

The general idea is, as expressed in

intelligently advise Congress what change is needed.

HEAD WATERS FORESTS.

The forthcoming report of the mrigation reclamation service calls atten-tion to the great necessity for the pro-tection of the headwaters of streams.

One of the most important matters

in connection with the permanent de-

velopment of the water resources of the country, is the protection of the catch-

ment basins from destructive influenc-es. The head waters of many of the

important streams are already included

work.

It says:

Special Correspondence.

Arrangements Completed for Merger of Eastern End of System.

New York, Jan. 9 .- The general arrangements incidental to taking over

Drs. Shores & Shores stand alone as the Specialists who believe in their

cut therefrom should be under government supervision, thus absolutely insuring the water supply, both for irrigation and power as well as for mu-nicipal or any other need. The scores of denuded and bare mountain ranges in western states, once thickly covered with spruce and fir, attest to the bane-ful operation of our present timber

GREATEST DAM IN U.S.

The official figures of the geological survey show an interesting compari-son of the dimensions of the big Tonto dam of the Salt River Valley, Arizona, with other great artificial resrvoir structures in the country. The Tonto dam is to rise 250 feet above the chandam is to rise 250 feet above the chickness at nel of the stream. Its thickness at the base will be 188 feet, gradually tapering to a width of 16 feet at the curb; the width of the dam across the canyon will be 800 feet.

The great Croton dam, which is to supply New York with water, is 220 feet above the river channel and 1,800 feet across. It was necessary in this case to dig down 80 feet to insure a good foundation.

The Wachusett dam near Boston is 129 feet above the river channel, 185 feet thick at the base and 859 feet wide. TO IRRIGATE IDAHO DESERTS.

The government has been making a general reconnaissance of the irriga-tion possibilities of Idaho, under the pational law, and has selected three localities for more complete study The southern portion of Idaho, parlicularly along the Snake river, offers some of the best opportunities for reclamation in the United States," said Mr. F. H. Newell, the national hydro-"There are vast tracts of rid land along this river which could te transformed into great farming communities through the storage of its Waters."

One of the three projects selected by the government for special study is the Mud Lake undertaking. This infludes a large extent of desert land, ind it is believed that 200,000 acres be reclaimed through a canal heading on the North Fork of the rial lines have been run out by the "ernment across the desert, showing hat canals can be carried out at differint elevations and at different costs. The Minidoka project contemplates he reclamation of about \$0,000 acres n both sides of the Snake river south if the Oregon Short Line railroad. The Snake is to be dammed but the rater cannot be raised sufficiently high get it out on to the best lands, so supplemental piping on a large cale is proposed to reach the lands bove the gravity system. The pow-r for pumping can be derived by suit-ble water wheels installed near the To furnish the water for these 0,000 acres storage is to be provided t the head waters of the Snake, utilting Lakes Jackson, Two-Ocean, Imma, Matilda and Jennie, all of rhich have been set aside for reser-

third government project in faho is the Payette-Boise, near the ity of Boise. The Payette Boise, The Payette the north furnishes Iver on

A WOMAN'S COMPLEXION.

It is rank foolishness to attempt to sallowness or greasiness of the kin by the use of cosmetics, or "local" atment, as advocated by the "beau-doctors." The only safe and sure ray that a woman can improve her implexion is by purifying and enrich-ing the blood, which can only be acpumplished by keeping the liver healthy nd active. The liver is the seat of lsease and blood pollution. Green's ugust Flower acts directly on the cleanses and enriches the blood, arifies the complexion. It also cures anatipation, biliousness, nervousness, nd induces refreshing sleep. A single of August Flower has been hown to cure the most pronounced ad distressing cases of dyspepsia and idigestion. New trial size bottle, 25 ints; regular size, 75 cents. At all G. & GREEN, Woodbury, N. J.

ral re connaissance has be ress along the Sun river, the Mussel-shell river, and the Yellowstone, particularly near the mouth of the latter. It is believed by the engineers, from he preliminary surveys accomplished, that lands can be reclaimed in eastern Montana and adjacent portions of North Dakota by diverting the waters of the Yellowstone river on the north bank in Montana. The Yellowstone is a great stream, flowing nearly the entire length of Montana and emptying into

the Missouri just after it crosses the Montana line in North Dakota. THREE SCORE AND FIFTEEN

Seventy-Fifth Birthday of Hon. John T.

Caine Fittingly Observed.

The seventy-fifth anniversary of the birth of Hon. John T. Caine, was pleasingly celebrated by the members of his family at the home of his son-in-law, George D. Alder, on First street last evening. About 40 of the descendants of the honored gentleman, including children, grandchildren and other near kin and friends, sat down to the old

fashioned supper. The evening was spent in music and felicitations, and while nearly four score of years have sped away since his birth, there were none present more active in the festivities of last night than Mr. Caine. The years have rested lightly upon his shoulders and while they have served to sprinkle his hair with gray, the sprightliness of middle age is still retained by him. John T. Caine was born on the Isle

of Man, Jan. 8, 1829. He left there when 17 years of age for New York After a residence there of two City. years he moved to St. Louis, leaving there for Salt Lake City, where he ar-rived in 1852. His career here has been an activ one, he having honorably filled many important politcal and ecclesiastical offices, the former including 10 years as delegate from the Territory of Utah in the house of representatives at Washington. In the old days here Mr. Caine was one of the managers of the Salt Lake theater, appearing in many of the plays presented there as well. He is the father of 13 children, while his grandchildren number 40 or more and great grandchildren, three. Among those present last evening of the immediate family were Mr. and Mrs. Arthur Pratt, Mr. and Mrs. Joseph E. Caine, Mr. and Mrs. George D. Alder, Mr. and Mrs. Will G. Farrell, Mr. and Mrs. Will G. Patrick, Mr. and Mrs. Charles A. Caine, Mrs. Margaret A. Caine and others.

SPIKE AND RAIL.

The delegates to the National Live Stock convention and the Wookgrow-ers association meeting left over the Oregon Short Line for Portland this morning. With the exception of Gov. Wells who leaves tonight, the roster was the same as printed in the "News" two evenings ago. two evenings ago

No. 1, R. G. W. came in in two sections today. On one section were the battery boys returning from the cruel war at Sunnyside.

The Rio Grande is putting up 35 cars loads of ice daily at Gorgoza on the Park City branch. When this work is completed the gangs of Greeks en-gaged on the work will move to Col-ton. The ice is from 18 to 22 inches in thickness.

W. J. Shotwell, general agent at San Francisco for the Denver & Rio Grande, is in Salt Lake on his way home after an extended tour over the entire Gould system

H. M. Cushing, traveling passenger agent for the Rio Grande, returned this morning from a trip through Sanpete county

Commercial Agent Moore of the Salt Lake Route is down the line today on a business trip.

the Pittsburg, Carnegie and Western and unifying the Gould lines west of Pittsburg have been completed, according to the Herald, and are ready to be brought before the directors and stockholders of the various companies for approval. It is understood that the plans involve the issuance of new securities and a closer unification of the finances of the Gould roads between Pittsburg, Chicago and St. Louis. The Pittsburg, Carnegie and Western syn-dicate will be wound up and the prop-

erty placed under the direction of the Wabash, together with the Wheeling and Lake Erie and probably the Ann Arbor. But the scheme does not involve the unification of the entire Gould system, having in view merely the consolidation of the Gould properties in the central states and Pennsylvania

With the completion of the Pitts-burg-Baltimore line it is expected that a similar unification will bring the Western Maryland, the West Virginia Central, the Little Kanawha, with the new lines projected directly under the Wabash, as the central road of the eastern group.

STILL HANGING FIRE.

Northern-Pacific-O. R. & N. Deal for Joing Trackage Arrangements.

Portland, Or., Jan. 3 .- The question of trackage arrangements by which the Northern Pacific may run trains from eastern Washington over the Oregon Railroad & Navigation line into Portland and the Oregon Rallway & Navi-gation run over the Northern Pacific to Seattle and Tacoma seems to have reached the point where both parties are willing to make a deal, but cannot agree on terms. When President Mel-len of the Northern Pacific was in Portland over a year ago he said that his company was quite willing, and there is no reason to believe that the policy has changed since Mr. Elliott became president. Mr. Harriman has expressed the same disposition on the part of the Oregon Railway & Navigation but the statement of President. Mohler of the Oregon Rallway & Navigation since his return from the east indicates that no progress has been made. Under the suggested scheme the Northern Pacific would escape the heavy haul over the Cascade mountains and on the other hand the Oregon Railway & Navigation would be able to haul freight and passengers through to the sound without breaking bulk of changing cars. It is probable that each party to the deal maintains that what it has to offer is worth more than it would receive, so that they find it im-possible to get together.

Chamber of Commerce Working to Secure Some Important Concessions.

RATES TO BOISE.

The Boise chamber of commerce is after more freight rate concessions.

After having secured a number of reductions on commodities which, by the way, since the first of the month when the new schedule went into effect has had the effect of stirring up th Sait Lake Commercial club to vigorous pro-

test, Bolse is now looking up the rates on coal. In Bolse consumers are now paying \$3.50 a ton for coal, while at Baker City, over a hundred miles fur-ther west, coal can be purchased for a dollar less. In explanation of the ad-vantage of a freight rate which is 50 cents lower, than that prevailing to Bolse it was pointed out by the dealers that in Baker City and other towns to the west and north of Boise, competi-tion by Seattle coal must be met, this

factor serving to cut down the price materially. In Moscow, for example, they stated, Rock Springs coal hauled through Nampa and several hundred miles through Oregon and Washington, was sold for approximately the same money as in Boise. The chamber of commerce also pro-poses to draw the attention of the Ore-

gon Short Line to the discontinuance of the arrangement whereby through passenger from the east, bound for the Pacific coast, were permitted to visit Boise from Nampa free of charge, the same as the side trip from Ogden to Salt Lake was permitted tourists.

ASCOT PARK RESULTS. Six Favorites Got to the Wire in Front of Their Fields.

Los Angeles, Cal., Jan. 8 .- At Ascot park today only one of the six favorites got to the wire in front of their respective fields. Jockey J. Lewis landed two winners, both at 20 to 1. The books guit the day winner by many thousands, Urbano won the first race, Estado, the favorite, being left at the post. The second went to Golden Boy, the second choice. The one-mile selling event was another upset. Goldene, theh favorite, finishing outside the money. Platonius won. Mr. Robinson, at 30 to 1, was a new one to the talent and he ran unbacked in the fourth. He won easily from J. V. Kirby. fourth. He won easily from J. V. Kirby Orsina captured the lifth from Glennevia and was the only successful favorite. The last race went to Pilot at 20 to 1. Re-

First race, six furlongs-Urbano won. Legal Maxim second, Jingler third. Time

-1:16%. Second race, five and a half furlongs. Golden Boy won, Gottleiben second Rough and Tumble third, Time-1:07%. mile-Platenius wor

Third race, one mile-Platonius we Discus second, Ultrada third. Tim Fourth race, six furlongs-Mr. Robinson won, J. V. Kirby second, Canejo third. Time-1:16.

INDOOR BASEBALL. Freshman Engineers Defeated II. Com-

pany in Lively Contest. The indoor baseball team of the Fresh p.m.

The indoor basedan team of the Fresh-man engineers at the state university took a fall out of H company of the First infantry last evening, in the state ar-mory, by the score of 32 to 15. Brown, the Freshman pitcher did excellent work, and the batting of Russell was noticeable popule plays were made by Hurt and Double plays were made by Hunt and Liebman. The line-up was as follows:

Engineers, 33. Position Co. H. 15. Brown-Bryant ... Pitcher. Bassett (Capt.) Hunt First Base Chase Liebman (Capt.) ... Second Base Bero Simpson Third Base Thompson Byer Left S.S. Rodeback Reed Right S.S. Otterstrom Cannon Left Field Oberg Williams-Bardner. Right Field Williams

Stanford Team Beaten.

Seattle, Jan. 8,-The basketball team of the University of Washington today de-feated the team of the Stanford Univer-sity Glee club by a score of 23 to 6. Two Stanford men failed to appear, and their places were filled by substitutes taken from the University of Washington.

NEW LIBRARY BOOKS.

The following 31 volumes will be added to the public library Monday morning, Jan. 14, 1904: MISCELLANEOUS. Du Bois-Beckonings from Little Hands. Earle-Two Centuries of Costume in America, 2 vols. Gordon-Ultimate Conceptions of Faith Grant-Christendom A. D. 1901, 2 vols. Hawthorne-Notes in England and tady Hough-Way to the West. Hutton-Gas Engine. Jordan-Call of the Twentieth Cen-

Lee-True History of the Civil War Library of Congress-List of Books and Maps on the Philippine Islands. Lindsay-Warriors. Long-New American Navy, 2 vols. Mitchell-Organized Labor. Monroe-Washington, its Sights and nsights Russell--Rivers of North America.

Sneath-Philosophy in Poetry, U. S. Geological Survey-Vermilion on Bearing District of Minnesota, U. Iron with atlas.

FICTION.

Brookfield-Diary of a Year. Crane and Barr-O'Ruddy. Dahn-Scarlet Banner, Hawkins-Sandy Barr Hobson-In Old Alabama. Lloyd-Red-Head. Moore-Shipmates in Sunshine. Oppenheim-Yellow Crayon. Tynan-Handsome Brandons. Winter-Little Joan,



DR. G. W. SHORES

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UP FROM PROVO.

Dr. George H. Brimhall Talks of the Brigham Young University.

Dr. George H. Brimhall, acting president of the Brigham Young University at Provo, came up from the Garden City today for the purpose of attending a meeting of the Church board of examiners, to be held in the office of Supt. Tanner some time this afternoon. The doctor says the Provo institution of learning is in a most pres-perous condition and there is a gratifying influx of new students as the re-sult of the opening of a new semester. Dr. Tanner, he says, visited the school on Tuesday and again on Friday, at which time he delivered a very interesting address to the young ladies, tak-ing for his subject "What the world has a right to expect from women." The university, says Dr. Brimhall, is tak-ing steps to enlarge its campus and to this end has purchased a tract of land on the west on which the students will be enabled to conduct their sports. The faculty of the university are thoroughunited in their efforts and are doing everything possible to advance the in-terests of the school, and that their labors are being crowned with success s very evident from the increased attendance

Finest Passenger Train East From St. Louis

is the New York Limited. with new library smoking-car, and new observation compartment sleeping-car. New library smoking-car has all the New library smoking-car has all the comforts of a modern club, including barber and bath. New compartment sleeping-car has private rooms and observation parlor. There are also drawng-room sleeping-cars and dining-car in the train, making it an exact coun-terpart of the famous Pennsylvania Limited. The New York Limited leaves St. Louis daily at 12:30 o'clock noon over Vandalla-Pennsylvania Short Lines, delivering passengers at Twen-ty-third Street Station, New York City at 6 o'clock p. m. next day. For further information, communicate with J. M. Chesbrough, A. G. P. Agt., 809 Century Building, St. Louis.

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Drs. Shores for their new symptom blank and take advantage of this grand special offer and be cured for the ACTUAL COST OF THE MEDICINE USED to demonstrate that there is a cure for Deafness, Catarrh and Chronic Diseases. WRITE, if you cannot call, and take advantage of this SPECIAL OFFER, CONSULTATION FREE for any disease.



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