DESERET EVENING NEWS: THURSDAY, MAY 12, 1904.



government

GENERAL STATISTICS. In 1902, the area supplied with water

from all sources i nthe state was 711,184 acres, an increase of \$1,891 acres since 1899, or 13.0 per cent for the three years The increase for the 10 years ending The increase for the <sup>10</sup> years ending 1899 was 138.8 per cent, From 1899 to 1902 the number of farms on which irrightion was reported increased from 17.924 to 21,448, or 19.5 per cent. The cost of construction increased from \$5,-55,502 to \$7,252,582, or 23.7 per cent, while the aggregate of main canals and ditches increased from 2.838 miles to 2.891 miles, or 37.1 per cent.

2,891 miles, or 37.1 per cent. Of the total irrigated area, 687,830 acres belonging to 20,452 farms were supplied with water from streams: 20,-505 acres on 734 farms from springs: and 2,849 acres on 222 farms from wells. The construction cost of dams, headgates, reservoirs and 3,704 miles of main canals and ditches for the 1,219 stream-systems was \$7,069,776, an aver-age first cost of \$10,28 per irrigated acre: the 128 spring-systems cost \$139,-303, an average of \$6,79 per irrigated acre, while the 222 well-systems were constructed at a cost of \$43,503, or \$15.27 for each acre irrigated. DRAINACE PASINS

### DRAINAGE BASINS.

With the exception of a small area along the reentrant angle in the north-east, that part of Utah lying east of the Wasatch mountains is drained by the Colorado and its tributaries. West of these mountains are several streams which discharge their waters into lakes or sinks, the most important of which are Bear, Weber and Jordan rivers in the northern and Sevier river in the central part.

JORDAN-UTAH LAKE DRAINAGE BASIN,

Jordan river is the outlet of Utah lake, and carries its overflow through the divide into the valley of the Great Salt Lake. The river is about 40 miles long and its waters are utilized to irri-gate one of the most fertile and beau-tifut valleys in the whole Rocky moun-tain region. Its principal tributaries tain region. Its principal tributaries



Do the right thing at the right time, Act quickly in time of danger. Backache is kidney danger. Doan's Kidney Pills act quickly. Cure all distressing, dangerous kidney Ills.

Plenty of evidence to prove this,

Mrs. Sarah Beatty, of 1361 west Fourth South, says: "I have had attacks of backache for two years. For a week at a time I have been almost wild with pain just across the loins. When a person cannot bend, lift or turn, they are helpless and naturally ardently long sor some means to give even the slightest relief. A friend of mine who had obtained Doan's Kidney Pills at F. J. Hill Drug Co.'s Drug store told me they had brought her undoubted benefit and insisted upon my trying benefit and insisted upon my trying them. Following her advice I got a hox and took a few doses. They helped. A continuation of the treatment for some time, much to my surprise, and considerably more to my gratification, stopped the attack." For sale by all dealers. Price 50 cents. Foster-Milburn Co., Buffalo, N. Y., tole agents for the United States. Remember the name-Doan's-and take no substitute.

pplied 16 farms with an irrigated area 353 acres. The 16 systems represented a construction cost of \$2,405, an aver-age of \$6.81 per irrigated acre. BEAR RIVER DRAINAGE BASIN.

Bear river heads in the northern slope of the Uinta mountains. It soon

strips, close to the streams.

irrigated acre.

76 systems to irrigate 41,067 acres on 1,464 farms. The 200 miles of main canals and ditches and other irrigation

A NEW EXPLOSIVE. Much of Japan's Success Due to The Use of It.

The Use of R. Vancouver, B. C., May II.—Issa Tan-imura, Ph. B. LL. B., of Tokio, Japan, trade commissioner to Canada. arrived on the Empress of Japan and gives de-talls of the new explosive used by Japan, referred to in an Associated Press dispatch from St. Petersburg. He says it was invented by a Japanese chemist and is apparently a develop-ment of lyddite, the basis being pictlo acid. He declares it explodes under water, may be used in all weapons and is not subject to injury from dampness.

Bear river heads in the northern slope of the Uinta mountains. It soon crosses into Wyoming, but passes through Utah for a short distance in the northeastern corner and, after making a large semi-circle northwest-ward through parts of Wyoming and Idaho, asain enters Utah 50 miles west of the castern boundary. Here it flows into the Cache valley, where it receives the water of Little Bear river and tributaries. Near the center of the west slde of this valley the river passes through Bear river canyon into Bear River valley, which it traverses be-the water of Little Menes flowing into Great Salt Lake. Many small tribu-taries, heading high in the mountains, furnish a steady supply to the main stream all along its course. In 1902, 142 irrigation systems were supplied from all sources within the drainage basin in Utah and 141,616 acres belonging to 3,150 farms were irrigated. The necessary irrigation works, in-"Much of Japan's success in the en-gagements both in land and sea," said Mr. Tanimura, in an interview here to-day, "is due to the superior quality of the new explosive which is now being used, and which, combined with the ex-cellent marksmanship and discipline of the Japanese troops, has resulted in victory on nearly every occasion. The necessary irrigation works, in-cluding 516 miles of main canals, and

cluding 516 miles of main canais, and ditches, were constructed at a cost of \$2,333,658, an average of \$16.93 per irri-gated : e. Nine systems, representing a construction cost of \$2,062,254, headed in the main stream and irrigated 28,560 acres belonging to 680 farms, an aver-age of \$42.47 per irrigated acre. The aggregate length of main canais and ditches was 164 miles. The 41 systems supplied with water from Logan river and tributaries represented a total con-"Since hostilities commenced we have been manufacturing and using this new explosive exclusively. It was invented by Prof. Shimose, chief chemist of the imperial government university at Toklo, just a few months before the war commenced. The discovery has been kept a secret. After exhaustive tests, showing that this new explosive, which is known as shows a popular war is known as shimose powder, was equally adaptable for rifles, artillery, or heavy guns, as well as torpedoes and all kinds of submarine contact mines its manufacture was commenced.



The systems were constructed at an in-itial cost of \$52,730, an average of \$8.91 for each acre irrigated. Fourteen well-systems irrigated 129 acres belonging to 14 farms. The total construction cost of the well-systems was \$1.672, an aver-age cost of \$12.96 per irrigated acre. There is nothing more nerve wrecking than household duties and the care of children. The drudgery, worry and pet-ty annoyance of the day, and breken rest at night soon exhausts her vitality WEBER RIVER DRAINAGE SYS-TEM, and she becomes nervous, irritable and restless. If allowed to continue, it ends TEM. The headwater iributaries of Weber river rise on the northwestern slope of the Uinta Mountain range. The river, with a course of about 125 miles, flows northwestward into Great Salt Lake. Of its tributaries, Ogden river and East Canyon creek are the most important. The valleys, except in the lower course of the main stream are very narrow in Bick, Nervous Headaches, Stomach, Liver and Kidney troubles, and those terrible Periodical Bearing-down pains, which come from nervous exhaustion. Dr. Miles' Restorative Nervine is a

never-failing remedy for such cases. It builds up and soothes the nerves, and The valleys, except in the lower course of the main stream, are very narrow and the irrigated lands are in long brings the sweet, restful sleep, so much needed. No other modicine is so pleasant or strips, close to the streams. In 1902, there were 252 systems sup-plied with water from all sources in the drainage basin, and 80,117 acres be-longing to 2,770 farms irrigated. The total construction cost of the systems, including 429 miles of main canals and ditches, was \$793,101, an average cost of \$9.90 per irrigated acre. Water from Weber river direct was utilized through 75 systems to irrigate 41.967 acres on curative in every case of female wenkness, nervousness or general worn-

out condition. Try it at our risk. Cost refunded if first bottle fails to benefit you.

benefit you. "I had been sick several years with indigestion and nervous prostration, which kept me almost constantly under a physician's care, and while I had been treated by four doctors, i received only temporary relief. I was very weak and helpiess, and unable to attend to my household duttes. After reading about Dr. Miles' Nervine, I concluded to give it a trial. The first few dosso brought restful sleep at night, and an appetite for food. Continuing the treatment, I rapidly improved, and now I am well and able to do all my work." MES. M. J. OLDS, Clarkston, Mich.

Canals and diches and other irrigation works were constructed at a cost of \$549,432, an average of \$13,09 per irri-gated acre. There were 42 farms sup-plied with water from springs. The 13 systems were constructed at an initial cost of \$7,485, an average of \$4.65 for each of the 1,610 acres irrigated. Twen-tw nine well systems (error ted 205 acres) ty-nine well-systems irrighted 205 acres belonging to 29 farms. These systems represented a construction outlay of \$2,-FREE Write us and we will mail you a Free Trial Package. of Dr. Milos' Anti-Pain Pille, the New, Scientific Remedy for Pain. Also Symp-tom Blank for our Specialist to diagnose your case and tell you what is wrong and how to right ft. Absolutely Free, Address: DR MILES MEDICAL CO., LABORATORIES, ELKHART, IND. 803 for wells, pumping plants, reservoirs, etc., an average cost of \$13,67 per COLORADO RIVER DRAINAGE BASIN. The Colorado river is formed by the

the case. In accounting for the willingness of the defendants to reach a settlement, the attorneys said in part: "The tech-

steals of further flo

the attorneys said in part: "The tech-nical allegaton of fraud in the com-plaint was extremely distasterial to Mrs. Oelrichs and Mrs. Vanderbilt. Neither of them had taken any per-sonal part in arranging the details of the San Francisco settlement, and both had presumed that everything had been done properly and to the satis-faction of every one concerned."

# CAPT. PORTER DEAD.

#### He Was One of the Pioneers of Montana.

Great Falls, Mont., May 11.--Capt. Sheidon T. Porter, one of the pioneers of this state and reputed to be the origof this state and reputed to be the orig-inal G. A. R. man of the northwest, died at his ranch near Horr, aged 77 Years. The deveased came to the state about 25 years ago, Ducing the Civil war he served as first Heutenant in the First battery of the First Connecticut light artillery. In 1866, when the G. A. R. was organized at Decatur, III., he was one of the charter members.

#### Firing on British Mission.

New York, May 12.—An irrigeulat rifte fire on the British mission to Tibet was kept up from Jong all through Sunday, according to a Times

dispatch from Gyang Tse. One mission follower was wounded in the hip and died a few hours later. Finally, mount-

COLLUSION CHARGED.

Federal Court.

by the gas company. He ruled in this case, however, that the gas company has no contract to charge a uniform

rice of \$1 for gas in Chicago, and his

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the west coast.

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