## DESERET EVENING NEWS: SATURDAY, DECEMBER 15, 1900.

# **IRRIGATION IN UTAH**

Notwithstanding that irrigation was | veys have already been made for the first introduced into the United States by the Mormon pioneers in Utah, said Engineer O. E. Young this week, there

Notwithstanding that irrigation was first introduced into the United States by the Mormon pioneers in Utah, said Engineer O. E. Young this week, there is still a great deal of room for im-provement in the methods in use in this State. In some respects Colorsdo, wyoming and California are now in ad-vance of Utah in the perfection of irri-gation methods. This is largely due to the assistance given by these States, and of which are more advanced than that for its object the encouragement of the storage of irrigation water, and it is not improbable that further consid-eration will be given the matter by the state legislature, which convenes in Janu-ary. That the subject is one of grow-ing public interest is evidenced by the attention given the matter in the vari-ous Trans-Mississippi congresses, by which the subject is one of grow-ing public interest is evidenced by the attention given the matter in the vari-curged to take a hand in the matter. The subject is one of y vital importance in the west. Already many visitors from the East, Europpe and the South Seas have been and are deeply im-pressed with the transformation in the west. Already many visitors from the East, Europe and the South Seas have been and are deeply im-pressed with the transformation brought about by the cruder irrigabrought about by the cruder irriga-tion systems of earlier days. The sim-ple diversion of the mountain streams has led to the reclaiming of hundreds of thousands of acres of sage brush neering skill and more capital are need. It is understood that the State ongi-neer will make several recommenda-tions in his report to the State Legis-lature, which will doubtless receive ed to go farther than the diversion of the streams, and conserve the great overflow at certain seasons of the year, which at present, largely runs to waste, much attention at the hands of that body. It is probable, too, that the ledginal systems, such as those in gal side of this matter will be given the earnest consideration it demands. It may be necessary in the near future, Sait Lake county, were built by asso-clation of community efforts, and were hald out on the easiest lines. The peo-ple lacked money, though labor was plentiful, and in this manner the varito adopt different methods of measuring and recording water rights to prevent money being expended needlessly in plentiful, and in this manner the tart ous canals were constructed. The aci-entific construction of canals was not followed, and the result has been the importance and will not doubt sconer trong followed, and the result has been the loss of a great deal of water from evaporation and seepage. The modern or inter receive the wisest considera-tion by the legislature, system of canal building contemplates the direct conveyance of water to its destination in such a manner that fricduced to a minimum. In the place of sharp angles in capals, modern engi-neering skill suggests gentle curves. Flumes are also built to avoid extreme ly meandering courses around guiches, In a few words, it may be said that the aim of the present system is to get the water to the ground as quickly as pos-This requires more capital and greater skill than was obtainable in early days. Consequently, it is not surprising that a great work like the Bear River canal was consummated a few years ago, which was not possible in the early history of Utan. This company dammed the water of Dear river and conveyed it some 40 miles at a cost of probably \$1,500,000. The methods of this company afford a striking object lesson of the differences between the methods of early days and those

#### of more modern times, WATER STORAGE.

Great, however, as has been the cost of diverting the mountain streams to aid agriculture, it is when we come to water storage that great expense is being incurred. It is here that ich higher engineering skill le reers of the "News" will be pleased to learn that a move of this size and char-acter is well under way and the comng Legislature will do well to give the matter their study and support. The natter of irrigation is an absorbing ubject just now and one that the peoe of this State are very much inter-ted in, and this State should lead in ading encouragement to moves of this haracter. The promoters are to be ongratulated on this enterprise, and the public will wish them abundant CALIFORNIA CROESUS

> An Operator Whose Clients Have Amassed a Share of His Profits.

#### The Red Cloud Mine a Dividend Producer. He Offers Chances in California.

Every large city in the Union has its own strong individual financial char-acter: New York has Russel Sage; Chicago, Lyman T. Gage; San Fran-cisco, H. E. Huntington, and Los Ang-des can claim with pride, S. P. Creas-inger, the most versatile of them all, n the scope and variety of his inter-The character of Mr. Creasinger's op-

rations are of a higher order than can e said of the eastern financier whose accardions are confined to speculative venues in stocks, bonds and trust ombinations; as he extends his opera-ons to include the development of the atural resources of the country wher-ver he is interested in mining, oil, where the is interested in the stock the agriculture, horiculture and stock. His interests extend to Arizona, New Mex-ico, Mexico, Pennsylvania and other States, and comprise over fifty fruit ranches in California from---- acres to 0,000 acres each; in Mexico he owns a ranch of 1.387,000 acres, which is well ocked with horses, cattle and sheep he controls 20,009 acres of choice oil land, located in the best oil fields in altornia, a portion of which he will rvelop personally, and dispose of the metate the same in the pear future. The fine business acumen Mr. Creasager has displayed in building up a artune in the seven figures from an avestment capital of \$1,500 a few years

has attracted the admiration and

him on many of their me

ounty, California. These mines com-rise 52 claims in all, with 16 well-de-

veloped claims in an, with it well-de-veloped claims, rich in gold, copper, sil-ver and lead. The ore assays \$24.17 per ton in value, and upon the estimates given by minding experts, the product

of the mines will pay \$50.00 per month

on every block of one thousand shares. The Red Cloud Mining company is

ent, and is under

gularly organized with a capital o

caetical, successful business men, an

ith a superintendent at the mines wi

eminently fitted for the position h

of which Mr. Creasinger is pres

#### Enterprise of the Mammoth Reservoir Company of Sanpete and Juab Counties.

BIG STORAGE PROJECT.

onfidence of financiers from all parts f the Pacific coast, who advise freely A great deal of interest is being manportant deals, and he is conceded to lfest on the part of the people of San-pete and Juab counties in a scheme e a man of exceedingly keen and quick erception, with a thorough knowledge o reservoir the waters of Gooseb f local conditions, appraised values, he detailed merits of all propositions Creek, and by means of a tunnel and canal bring the waters onto the lends in the west of Sanpete county and down presented for his consideration. In al f his extensive transactions he has all Creek canyon into Nephi and vicin-ty. The project is one of the heaviest ommenced in Utah. The promoters of ever given a mortgage and his word Probably, the most important enter-prise upon which be is at present en-gaged is the development of the Red Cloud mine, located in the famous Chuchawalla mountains in Riverside to work are to be commended in their ability spirit and in the manner of nelling this concern

It is purely an institution of the peo-, who are the shareholders, so that by are guaranteed all the privileges at will be conducive to their interthis will be conducive to their inter-ests, and protected against a few monied then controlling it to the inter-ests of the few. The estimated cost of the work is \$250,000, which is divided in-to 25,000 shares of the par value of \$10 each. Over 16,000 shares of the stock is lready taken and surveying parti-

erected. They each pay the city a license of a dollar a month for the damage they do to the landscape. Upon approaching some of the parks and finer residences, an ordinance was passed prohibiting their erection within certain distances of valuable improved property. Some residents reconcili themselves to a derrick in the back yard among their orange treas and TOP FLOOR COMMERCIAL BLOCK roses, upon the ground that (wenty-five barrels of oil a day is worth some sacrifice of aesthetic feeling. SALT LAKE CITY.

material to be used for a diversity of other purposes, the company has been obliged to enlarge its plant from time to time and to put in additional machinery for the manufacture of castings and machinery of almost every description. Additional ground was purchased, new buildings erected and improvements were made until today the build-ings and plant of Silver Bros., with its moulding department, its pattern rooms, its machinery shops and other becessary buildings, occupy a ground space of over an acre in extent, and are at present occupying the comm ous building shown in the engraving, this, however, only imperfectly shows the extent of the works, as the offices and salescooms being on a line with the street form an important factor not

The Silver Bros. are well known in

Silver Bros. Iron Works Company.



Investors who desire a fruit farm, a | country, he has yet to make his first

stock ranch, a gold mine, or stock in the Red Cloud Mining company; or California stocks and bonds can secure tent and variety of his transactions

the best in the market upon applica-tion. Off lands a specialty. Mr. Creas-Inger is the only financier of his wealth dence in the future of Los Angeles and

who handles ladies' money and guaran-tees interest on same at one per cent per month, the principal subject to call Senator W. A. Chark, and predicts that

per month, the principal subject to call of clients. It is suid in California by financiars and others, that as a busi-ness man of affairs there is no financiar of both cities will feel an improvement at once and realty values will greatly enhance in value within the next five pars, and the points of attraction in the anal of his transactions, and in all is financial or president the is financial or presented the points of the southwest for speculation in real estate, and spricultural and mining in-vestments will be more or less in-creased between the two sections.

his financial operations throughout the | creased between the two partions,

## COMMON SCENE IN LOS ANGELES.

The boring for oil wells is managed | derricks. Over 1,400 of them have been by the use of derricks about fifty fect in height from the top of which the heavy weights are dropped to drive down the casings. Throughout the oil districts these

derricks are as thick as the trees of the forest. In Los Angeles City itself tract several hundred feet wide and extending clear through the city and for miles in each direction beyond its boundaries is covered thickly with these

The name "Silver" is synomymous

with our earliest foundry and machine

shop interests; indeed Mr. William J.

Silver is practically the father of the

busines in Utah, having opened his

shop as carly as 1865, with none but

home made machinery. Mr. Silver

holds the proud distinction of being the

builder of the first steam engine ever

constructed in Utah. In another way

he builded better than he knew, for to-

day the firm whose name heads this

article comprise the three sons of the

well known pioneer in the business,

each one following in his father's foot-

steps in making master mechanics of

themselves; all stand high in business

and commercial circles, both in Utah

and the surrounding States, the firm

as well as its individual members having the highest commercial ratings.

The plant of the Silver Bros. Iron Works company is located at 149 west

North Temple street, this city., Origi-

hally the business as shown. In the

above engraving as "the shop of the

sixties," was transacted in a small

building. Keeping pace with the growth

of Sait Lake City, with the constantly

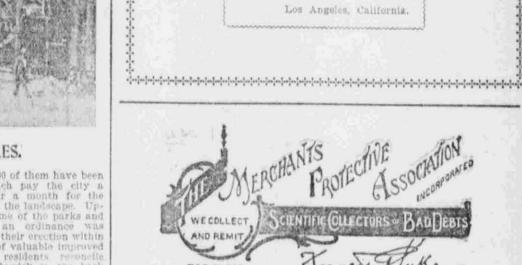
increasing demand from our leading

mining camps for mining supplies and machinery, with the increased demand

for rails for railroad construction, for

structural steel and columns for use in

the erection of business blocks and for



# 55

REAL ESTATE.ø 5 Per Cent Investments in Business and Prospective Business Property Rapidly Increasing in Value. Homes for Sale in All Parts of City. A Few Good Locations for Terraces or Flats.

YOUNG & YOUNG, 202-3-4 Whitingham Block, Salt Lake City. 

C. U. WILSON, ATTORNEY-AT-LAW, 215 North Main Street,

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torney-elect l on the manag /s. Its certa

rprise. shown in the cut. Daniel-Its a what I am t that. mountain region, and there is hardly a section of the great west where speof State Jan pressed me as cimens of their handiwork may n found. Many of the big reduction works in our mining districts were own-Whitten th the price of equipped by this firm; mills and fac-tories include in their construction machinery manufactured by the comty Treasurer aat an amoun aken to get o pany, and many of the finer business ouses and residences of Salt Lake obtained their iron columns, eye beams and structural steel from this house. Those in the Descret News building Chapman-It and many others now in course y Recorder A struction are being supplied by this 1 newspaper and pictoria firm. The firm has also placed a modern The firm has also placed a modern carrugating apparatus for the re-grind-ing and corrugating of chilled rollers for flouring mills. All such work here-tofore having to be sent East so that at the present time they are prepared to compete with all eastern concerns in this class of work, having the only machine of its kind in the entire intermpllation of the State. Jeman-She's the Portlar am going to the New Y er some poin machine of its kind in the entire interley-"It is th mountain country. ever saw. Martin of the dium for b Progr up copies and."

make it a field, specially inviting for State aid or Government The fact that, in many places, all the water in the streams is diverted during irrigating seasons, makes the concervation of the early spring water a necessity if a greater population is to be secured in those districts. Already the efforts of several companies are bearing good fruit Among these is the Mt, Neba Irrigation & Land company, which has built a blg storage reservoir and head works. The water has been conveyed The water has been conveyed around Kimball Creek Valley and now the means of reclaim-about 15,000 acres of land, land, with the prospect that this will be in-creased to 30,000 acres. Another proct of similar character is the Gunnison reservoir, which is so successful that its enlargement has been deter-mined on. The Clear Lake Irrigation company has availed itself of several small natural lakes. Other companies might be mentioned all of which are more or less successful in their opera-tions.

PROJECTS.

The attention that is being given to water storage is best shown by the numerous projects now being promoted and consummated in different parts of the State. Too much cannot be said upon this matter as upon its advance-ment depends the increase in the agricultural resources of Utah. Of the pro-jected schemes none is of greater importance than the Bonneville Water and Power Co., which proposes to carry out one of the largest storage schemes in the world near Leamington on the Sevier river. Some 300 miles of sur- moters and the shareholders. The read- his personal surroundings.

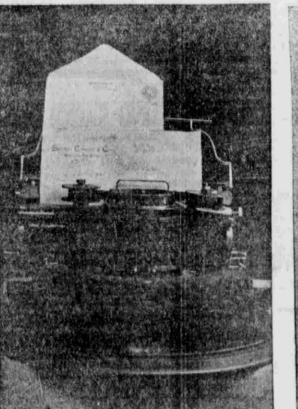
mence in the early spring, and the wor to a completion by October 19 100 acres of water will flow int ation 25. Sanpete and Jusb countles through its canals.

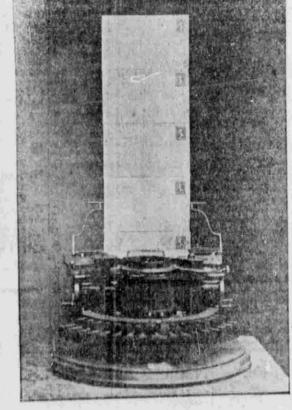
The largest and cuples. The value norruing to these localities equipped plant of machinery is owned cannot be estimated. In a few years hence and Juab county between Neph and operated at the mines, with a ca ity of 200 tons of ore per day. and Levan will be one vast field, dotted mill and smelters will be in operation ith comfortable homes and orchards January 15th, 1901, and dividends t is conceeded that the finest tract of will be declared monthly thereafter. and in the State lies between these two There is a limited number of shares of this stock which is offered perma-nent investors at 50 cents per share joints, and all that is needed to make the wealthiest is the water, Juab county people are subscribing

which will go to par within a year and pay dividends for a lifetime. illerally for the stock and expect to oring 12,000 to 15,000 acres of the water into their valley. No doubt Sanpete people will wake up to the situation in The department of mines is the larg est service maintained by any operator on the coast, as Mr. Creasinger has a beopte will wake up to the situation in the near future and subscribe more freely. The company expects to dispose of all its stock among the land owners by early spring and then make assess-ments to meet the requirements of score of miners in the field looking up valuable properties upon which ad-vised information is furnished clients in New York and London, who have operated successfully through his reprosecuting the work. The outlook is most favorable for an abundant supply

sources at command. The financial department equals in number of daily transactions, the busiof water. There is sure to be a con-siderable flow of the liquid from the ness done by many good-sized banks and at times the amounts involved are function that is to be cut through the mountain, the formation of the land is most favorable for canals, being of a character to hold the water without much seepage. There is a good proequally as large. Mr. Creasinger owns and operates several valuable and developed mining properties which are producers. He has a princely income ressive spirit and influence among the board of directors, who, no doubt, will from his productive properties, and his suites of seven offices are located at do all in their power to work for the interests of the people and carry the scheme to a successful completion. They have engaged the services of one of the best engineers in the land---those of O. R. Young, which, in fiself is 218 South Broadway, Los Angeles, Cal ifornia, which are fitted up in a luxur ous manner indicative of his vated, refined taste in the artistic an pointments of his private offices, upon which the fine arts are drawn from with a lavish hand to adorn and enrich

# Spencer Clawson's Continuous Letter Sheet and Envelope Combined, Patented.





# LETTER SHEET.

Spencer Clawson, Salt Lake City, Utah, the inventor, has provided a letter sheet and envelope so comblned that the letter may be written and the sheet conveniently severed from the envelope so as to be placed thereing, the object being to promote convenience in the conduct of extensive business correspondence, and especially in connection with type writer work.

This continuous envelope in a slight change from the letter sheet, being a series of envelopes in one sheet that can be easily detached as they pass through the machine, and will greatly economize time, and make the addressing of envelopes as simple as writing a letter. These devi es are sure to revolutionize all classes of papers now in use by typewriters.

ENVELOPE.



THE SHOPS OF 1867.

THE SHOPS OF 1900. 



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