

## IRRIGATION IN BEESWAX STATE.

Interesting Review of Work Done  
Here During the Past Fifty-  
Six Years.

BY STATE ENGINEER DOREMUS.

Tells of the Difficulties Which Had to  
Be Overcome Before Suc-  
cess Came.

The following interesting article on the progress of irrigation in Utah, is one of the many prepared for the late session of the National Irrigation Congress, and not read for lack of time. It is by that well known authority on irrigation, State Engineer A. F. Doremus, and tells the story of the work done in this state. Mr. Doremus said:

Mr. President, Ladies and Gentlemen—To picture the progress of irrigation in Utah implies a view extending back for nearly sixty years and embracing the very beginning of that great work in the interests of which this Congress has been convened.

Looking back through the mists of more than half a century we see a busy throng upon the banks of the then far away Missouri; a band of daring men and dauntless women intent upon conquering the pathless wilds of the great west. Halted here, at the outskirts of civilization only long enough for necessary preparation, these hardy sons and daughters of our nation turned their backs upon the last vestige of civilization and plunged into the solitudes of an unknown and savage region. Housed only in tented wagons drawn by stage-coaches, these pioneer pilgrims moved slowly but steadily toward the setting sun, crossing the boundary which separates the fertile lands of the east from the sterile plains of the west, out of the land of prolific soil and plentiful rain into the region of sterile sands and scorching sun; from the fruitful fields of the east to the barren wastes of the west they passed.

**EARLY DAY DANGERS.**  
Months of tedious toil, of deprivation and danger were endured during the constant journeying for thousands of miles over the waterless wastes and rugged ranges that lay across their course. They were weary, and their courage they had needed to reach the banks of the City Creek, which state. Here they beheld a soil which through centuries of ceaseless sunshine had been bleached almost to the whiteness of snow and baked to such a degree of hardness that it was well nigh impossible to penetrate it. With the impossible to penetrate it. With the impossible to penetrate it. With the impossible to penetrate it.

Separated from the nearest source of supply by more than 1,000 miles of desert, surrounded by a food supply practically exhausted, these resolute souls turned to the soil for succor, and lifeless as it was they fairly forced it to yield them sustenance.

As a first step in the work of subjugation, a ditch was dug to convey the crystal water of the creek over the thirty soil preparatory to plowing it, and so irrigation for this region and for the vast area was born. From the ditches and canals of the needs and hopes of that forlorn but significant situation.

**SYSTEMATIC PLANS.**  
The success which followed the first attempt was soon succeeded by plans for a systematic extension of the work, and as a matter of immediate need a shelter was built into which all moved for shelter and mutual protection. From the very first it was agreed that the land should be owned in small tracts, and that the owners of the land should be co-owners of the ditches that were to supply the water for irrigation. It was in accordance with this that the subsequent subdivision of the land was planned.

The land immediately about the fort was laid out as a city, the lots of which were 16x20 rods and contained 1/4 acre. The land next adjoining the fort was subdivided into five-acre lots, and that next adjoining the five-acre lots was divided into ten-acre tracts, and next beyond and adjoining the 10-acre lots came the 20-acre subdivisions and still beyond these the 40-acre farms. A map was made and upon it were shown all these several sized lots, which were also designated by numbers, each class forming a series. Each citizen was entitled to one city lot and one other lot of any other class which he might elect. Finally, as the community grew in strength and numbers and attack from the Indians became less liable, life in the fort was abandoned and the people moved out, each man with his family, onto the lot which he had previously drawn by ballot. The fort, however, was maintained for a time as a place of refuge in case of need.

**POPULOUS AND PROSPEROUS.**  
From this beginning and in this way there has grown a populous and prosperous city on the very spot where irrigation for this region had its beginning—a fitting monument of both the place and the people. The methods described have been repeated over and over again throughout the state, producing the scores of thriving cities and towns with adjacent farms which now dot the plain that before was wholly barren and forbidding.

These all bear witness to the wisdom of the plan which the people of Utah have pursued and which has resulted in the 600,000 acres of land now under irrigation in this state, being subdivided into farms that average less than 20 acres each; while the irrigating canals and ditches, with perhaps a single exception, are owned and managed in a co-operative way by the people whose individual lands have the use of the water during appointed times and turns.

**THE IDEAL PLAN.**  
There is no doubt about this being the ideal plan and the one best adapted to the fullest development of irrigation.

## Fifty Years the Standard!

**CRACKERS**  
**CREAM**



**BAKING  
POWDER**

Improves the flavor and adds to  
the healthfulness of the food.

PRICE BAKING POWDER CO. CHICAGO.

That the present national irrigation law has been largely patterned after the Utah plan is no discredit to the state. Utah has been the pioneer in many matters relating to irrigation and will no doubt continue to lead in the path of progress.

As a result of this development all of the water of the state known as the normal flow has been appropriated. At a conservative estimate this appropriated water constitutes about one-third of the total supply of the state, so that there is as much or more water still running to waste in Utah as there has been heretofore. A large portion, perhaps 40 per cent of the water diverted and appropriated, is lost through absorption in conducting it from the natural streams to the places of use. The prevention of this loss and the utilization of the unappropriated or flood and winter waters, are the problems which at present confront us, and it is safe to say that there are no people who are more fully awake to the needs and opportunities of the hour or who are more capable of dealing with these and similar questions than are the people of Utah.

Progression, however, is never free from complications, and these Utah has had her share. With the extension of irrigation and the fuller utilization of the water supply there arose the question of right to torment and try the people. As in other matters requiring patience and good judgment, Utah watched and waited until the course seemed clear and then adopted a code which expediently solved the problem. A model of irrigation jurisprudence and under which it is confidently expected that the question of rights as well as of subsequent administration will be fairly, equitably and permanently settled.

Utah is not only the home of local irrigation, which she has nursed and nourished until it has grown beyond her borders, but in due time she is really to the country the National Irrigation Congress, which, though feeble at first and threatened afterwards with direct aggression, has grown to be a mighty power of which Utah is justly proud and especially since, after a prolonged absence, its first home-coming is the cause of this magnificent gathering.

**STORY OF IRRIGATION.**  
This, briefly though inadequately told, is the story of irrigation in Utah, but it must not be presumed that there is nothing more to be said or done. It is in fact a story not half told of a work not yet half performed. We are really at the beginning of a new and more important era of progress. All that has been achieved is but the beginning of that which yet remains to be done. Born of obscurity and despised as a menial, irrigation has grown to be king of the rapidly developing west and by virtue of its power to bless and happiness mankind it has compelled respect and admiration of all. Its promise is potent and its progress sure.

Over that obscure spot in the heart of a lone and limitless land where irrigation was born, there appeared a star the light of which dispelled the dreariness and solitude that for ages reigned supreme along the silent shores of the great salt inland sea, and then it drew in lustre and power until it penetrated the primeval gloom of all the region round and became the beacon light of half a continent. Wise men of that day desired its glory and came to offer tribute to its cause.

And it came to pass that Theodore, a mighty hunter whose surname was Roosevelt and who was the chief citizen of the town of Boulder, Colo., came among all the mighty nations of the earth, espoused the cause of irrigation and warned all the people of its worth. Whereupon this greatest of all nations caused its Congress to enact a law to aid in advancing the great work, to the end that it might encompass and redeem all the waste places and so help to unify and glorify the great nation and add to the happiness of its people throughout all the land of liberty.

### FOR LOSS OF A HAND.

Young Woman Sues Laundry Concern  
For Heavy Damages.

A damage suit was filed in the district court yesterday afternoon by Matilda Tuckett, formerly Matilda Wood, against the American Steam and Hand Laundry to recover \$110.25 damages for the loss of a hand, which she alleges was crushed in an ironing machine on April 19, 1901, while she was in the employ of a defendant company. She alleges that the brake on the machine was defective and would not work, hence her hand was caught before the ironer could be stopped and so badly crushed that she had to have part of it removed.

**FAKE HAIR PREPARATIONS.**  
Do Hair No Good, But Often Cause It to Fall Out.

Many hair preparations are "fake" because they are merely scalp irritants. They often cause a dryness, making the hair brittle, and, finally, lifeless. Dandruff is the cause of all trouble with hair. It is a germ disease. The germ makes cuticle scales as it digs to the root of the hair, where it destroys the hair's vitality, causing it to fall out. To cure dandruff, the germ must be killed. "Destroy the cause, you remove the effect." Newbro's Herpicide is the only hair preparation that kills the dandruff germ, thereby leaving the hair to grow luxuriantly. Sold by leading druggists. Send 10c. in stamps for sample to The Herpicide Co., Detroit, Mich. For sale by Z. C. M. L. Drug Dept. 93

it amputated. She claims that defendant was negligent in not keeping the brake in proper order and in not having the rollers protected so that a person's hand could not get caught. Of the total amount of damages asked, \$250 she claims was expended in medical treatment for her injury.

### MEETINGS DURING CONFERENCE WEEK.

During conference week meetings will be held as indicated below:

**SATURDAY, OCT. 3.**

10 a. m. and 2 p. m.—Relief society conference in the Assembly hall.  
3 p. m.—State officers' meeting. Y. L. M. L. A. in the B. Y. Memorial building; also state officers' meeting of the Primary associations, room 24.  
7 p. m.—Reunion of Sandwich Islands missionaries and Saints in the Beehive House.

**SUNDAY, OCT. 4.**

10 a. m.—Opening of the seventy-fourth semi-annual conference in the Tabernacle, to continue for three days.  
4 p. m.—Scandinavian meeting in the Assembly hall; meeting of Welsh missionaries at Co-op Furniture store, 35 south East Temple street; meeting of Saints and Elders of Nottingham conference in B. Y. Memorial building.  
4:30 p. m.—Religion class conference in the B. Y. Memorial building; reunion of California missionaries in commercial building of L. D. S. university.  
7:30 p. m.—Sunday school conference in the Tabernacle.

**MONDAY, OCT. 5.**

4 p. m.—Meeting of Primary officers in B. Y. Memorial building; reunion of Northern States missionaries and Saints in Barratt hall.  
4:30 p. m.—Meeting of Elders of South Carolina conference in room 201 commercial building, L. D. S. university.  
6:30 p. m.—Reunion of Southern States Elders and Saints in the Eleventh ward meetinghouse.  
7 p. m.—Reunion of Elders of Göteborg conference in Sweden, in Seventeenth ward assembly room; reunion of North Carolina Elders in Fifteenth ward meetinghouse.

7:30 p. m.—Reunion of Scottish missionaries and Saints in Barratt hall; reunion of Elders and Saints of the Netherlands mission in the Thirteenth ward meetinghouse; reunion of Colorado Missionary association in Fourteenth ward meetinghouse; reunion of London Elders and Saints in room 25, B. Y. Memorial building; reunion of Elders and Saints of Sheffield conference in Fifteenth ward M. L. A. hall.  
8 p. m.—Northwich conference reunion in Twelfth ward meetinghouse; Welsh reunion in Sixteenth ward assembly rooms.

**WEDNESDAY, OCT. 7.**

10 a. m. and 2 p. m.—Meeting of the general, stake and local officers of the Y. L. N. M. L. A. in the Fourteenth ward assembly hall.  
7:30 p. m.—Meeting of Middle Tennessee Elders in Twenty-second ward amusement hall, Third North between Third and Fourth West streets.

Dr. Kirkwood, Dentist, moved to 28 E. Third South St.

### CURE FOR SICK-HEADACHE.

We had a letter the other day from a lady in the town of Boulder, Colo., that should be of interest to people who are troubled with spells of sick headache. She writes that she had these spells about four times a week, was obliged to go to bed and remain there from 8 to 10 hours each time. Had been troubled this way for several years, and the attacks became more frequent. Doctors do her no good, she tried dieting, as every body said it was from her stomach. Seeing an advertisement of Dr. Gunn's Improved Liver Pills, which said, they cure sick-headache by removing the cause, she decided to try once more, and sent 50c for two boxes. She said she had taken the last pill more than 4 months ago. As she had a sick spell of any kind for over 5 months. Druggists sell these pills for 25c per box. It only takes one for a dose, they cure sick-headache every time.

For sale by Z. C. M. L. Drug Dept.

### The Hot Weather Test

Makes people better acquainted with their resources of strength and endurance. Many find that they are not so well off as they thought and that they are easily enervated and depressed by the heat. What they need is the tonic effect of Hood's Sarsaparil which strengthens the blood, promotes refreshing sleep, overcomes that tired feeling, creates appetite.

## UNIQUE THEATRE,

167 S. MAIN ST.

PRESENTING A  
Refined Vaudeville  
Entertainment

For Ladies, Children and Gentlemen.

A CHANGE OF BILL EACH WEEK.

Matinee, 3 p. m. Evening, 8 p. m.

**ADMISSION 10c.**

## HOME FINDERS APPEAL FOR AID.

Want Contributions to Assist  
Them in Caring for Aban-  
doned Children.

ASSOCIATION NEEDS QUARTERS.

To This End It Solicits Aid From All  
Who Feel Disposed To  
Give It.

The Children's Aid & Home Finding association of Utah issues a circular in appeal for financial aid in finding homes for young children who are either orphans or have been abandoned by their parents, as follows:

The charitable people of Salt Lake City are doubtless aware that among its reorganized institutions there is none that cares for babies. The orphan asylums of the city are prohibited by their by-laws from receiving children under 2 years of age. Hence an abandoned infant or an unfortunate babe whose unnatural father has deserted both it and its mother, or one whose arrival has brought disgrace upon some deeply wronged girl, has no place of refuge open to it. No public funds are available for its support. The mother, if she have both the strength and the will to work, finds it exceedingly difficult to find employment. No housekeeper wants a servant who is encumbered with a young child. The sullied reputation, too, is sufficient of itself to close a majority of homes against the unfortunate mother of an unwelcome babe, even if she could not satisfy her in the care of others by providing for its maintenance. So the question what shall be done with these poor waifs demands an answer.

A partial attempt to answer this question has been made by the Children's Aid and Home Finding association. Its purpose is to find homes for the homeless. It seeks to be the connecting link between the homeless child and the childless home. But while it is doing this the little ones must be provided with temporary shelter and care. To hire them boarded out is expensive and often not satisfactory in its result. The prime necessity is a home in which they can be cared for under wise superintendence and with skillful nursing when needed.

As yet the funds placed at the disposal of the association have not been sufficient to establish and maintain such a home as is required. With the meager means at its command it has placed a good number of children in comfortable homes, but most of these had passed beyond the infant age before coming under its care.

The home, to be successful, must be placed on broader basis. The association should own or rent a suitable building, should be able to engage a good matron and provide necessary help in the kitchen and nursery departments so that the superintendent may be free to go into the field in quest of needy children and childless homes.

Profoundly impressed with the urgent need for such an institution, the undersigned, who are members of the board of directors of the Children's Aid and Home Finding association, earnestly commend it to the liberal support of the philanthropic people of the city and state.

Contributions may be sent to H. W. Lawrence, treasurer, 134 Main street, or be handed to any member of the association, or to Capt. H. M. Wood of the Salvation Army, who has kindly consented to solicit in behalf of the home.

MRS. G. B. BLAKELY,  
MRS. E. E. STEPHARD,  
MRS. J. M'PADDEN,  
MRS. W. H. TIBBLES,  
MRS. SIMON RAMBERGER,  
MRS. J. W. FARRELL,  
MRS. E. O. PARK,  
MRS. C. H. M'MAHON,  
MRS. J. F. WILSON SMITH,  
MRS. H. H. REA.

### A Very Remarkable Remedy.

It is with a good deal of pleasure and satisfaction that I recommend Chamberlain's Colic, Cholera and Diarrhoea Remedy. Recently a gentleman came into my store and at once to the floor. I gave him a dose of this remedy which helped him. I repeated the dose and in fifteen minutes he left my store smilingly so overcome with colic pains that he informing me that he felt as well as ever. For sale by all druggists.

## SALT LAKE THEATRE

Special For the State Fair!

THREE NIGHTS AND MATINEE, BEGINNING

**Tonight!**

JOHN T. FISHER and THOS. W. RY-  
LEY offer the World's Musical Hit.

## Florodora!

WITH THEIR NUMBER ONE N. Y. COMPANY.

Philip H. Ryley, R. E. Graham,  
Harriet Merritt, Jos. Phillips,  
Thos. A. Kiernan, Lillian Spencer,  
AND

### ISADORE RUSH

As Lady Holroyd.

CHORUS OF 10 BEAUTY SEXTETTE.  
SPECIAL ORCHESTRA OF 20.  
Prices—5c to \$1.50. Matinee—2c to \$1.00.

NEXT ATTRACTION:

"REUBEN IN NEW YORK."

## GRAND THEATRE

JONES & HAMMER, Mgrs.

PRICES: Night—25c, 50c, 75c.  
Matinee—25c.

Three Nights beginning TONIGHT.

Matinee Saturday.

That Sparkling Farce Comedy

## WHERE IS COBB?

That Cure for the Blues—  
Don't Miss It—you'll be sorry.

Next Attraction.

Monday, Tuesday and Wednesday.

Matinee, Wednesday at 3 p. m.

"OUR WIFE."

The Successful Comedy.

# INVITATION

## Conference Visitors.

### LACES AND EMBROIDERIES.

Laces and embroideries, a nice  
line of drop ornaments in black  
and colors..... 25c  
each.....

Cream and ecru applique lace  
worth 25c, 35c, 40c,  
for..... 17c

A big line of Remnants of em-  
brodery from 16c  
(each) to..... \$2.00

A nice line of Plat Val. laces  
and insertions worth from 15c  
to 25c, for  
per yard..... 8c

### Women's Neckwear Section.

Newest ideas for house kimonoas  
made up of Japanese handker-  
chiefs, these pretty handkerchiefs  
sell for 12½c each, six handker-  
chiefs make the kimono.

Pretty initial handkerchiefs,  
made of best quality India linen  
with ¾ inch hem, Wednesday  
each..... 10c

Something exceptional is linen  
centre, lace edged handker-  
chiefs we offer at 25c each for one  
week only.

South entrance.  
First aisle north.

### Fur Scarfs.

Sable Fox double scarfs, trimmed on  
the ends with tails and feet, this scarf  
is full and warm. Regular \$8.75  
price, \$13.50, for..... \$8.75

### Ladies' Walking Skirts.

Made of melton, wool, crash and  
heavy weight homespun cloth, also  
some of Moorish effects. Tailored  
stitched nine gore style, others trim-  
med with braid. Regular  
\$6.50 and \$7.50, for..... \$3.45

### Specials in Toilet Articles.

SOAPS.  
25c cake for 15c cake.  
25c cake for 10c cake.  
25c box of 3 cakes for 17c.  
25c box of 3 cakes for 12c.  
25c Tooth Powder for 17c.  
\$1.00 a bottle liquid powder for  
75c.  
Be an ounce perfume for 75c.

WHITE LINEN HAND-  
KERCHIEFS—Regular 25  
cents for each; will  
be sold for..... 10c

FALL AND WINTER  
SHIRTS—New patterns,  
plaid and plain. Some-  
times of Madras material  
and perfection in fit. \$1.25  
and \$1.50 values..... 85c  
for.....

NIGHT SHIRTS—MADE OF  
best Wamsutta mullin, plain  
and fancy trimmed, with and  
without collars; regu- 45c  
75c; will be..... 45c

# Keith-O'Brien Co.

## NOVELTY THEATRE

60 W. 2nd South.

Opens Monday, Sept. 28.

REFINED VAUDEVILLE AND FAM-  
ILY THEATRE.

With a congress of Eastern Celebrities.  
Performance every afternoon at 3  
and 4 p. m. Evenings, 7:30,  
8:30, 9:30 p. m.

Thursday, Amateur Night,

Sunday Sacred Concert

**ADMISSION 10c.**

## GARDNER DAILY STORE NEWS.



Store closed at 1 p. m. today.

Derby Day at the Fair.

Here's a "Derby Winner" for

today or any other day.

Our \$3.50 Black Derby, Fall

shape.

It beats four dollar grades of other makes.

But like every thing else in this store,

It's better value for the price than can be found

elsewhere.

If you don't wear a Derby, we've an excellent line

of soft styles at this same price that are equally good

values.

And two other big lines of soft and Derby styles,

\$2.50 and \$5.00.

Plenty of new suits and other fall wearables are

here too.

ONE J. P. GARDNER, 136-138  
PRICE MAIN ST.

ORDERS BY MAIL PROMPTLY FILLED.

143 Main Street.

Tel. 1070-2.

**DIAMONDS.**

**LYON & CO.**

If there's a clockless

room in your house where

A Clock Would be

A Convenience.

Now is the time and this

place to fill that need.

We have all sorts of

clocks for all sorts of

purposes. They're all

good, and all moderately

priced.

If you want a reliable

watch get one from us.

143 Main Street.

Tel. 1070-2.

**DIAMONDS.**

**LYON & CO.**

If there's a clockless

room in your house where

A Clock Would be

A Convenience.

Now is the time and this

place to fill that need.

We have all sorts of