A MAN

WHO IS UNACQUAINTED WITH THE GEOGRAPHY OF THIS COUNTRY, WILL SEE BY EXAMINING THIS MAP, THAT THE

CHICAGO, ROCK ISLAND & PACIFIC R. R.

IS THE GREAT CONNECTING LINK BETWEEN THE EAST & THE WEST!

Its main line runs from Chicago to Council Bluffs, passing through Joliet, Ottawa, La Salle, Geneseo, Moline, Rock Island, Davenport, West Liberty, Iowa City, Marengo, Brooklyn, Grinnell, Des Moines (the capital of Iowa), Stuart, Atlantic, and Avoca, with branches from Bureau Junction to Peoria; Wilton Junction to Muscatine; Washington, Fairfield, Eldon, Belmond, Centreville, Princeton, Trenton, Gallatin, Cameron, Leavenworth, Atchison, and Kansas City; Washington to Sigourney, Oskaloosa, and Keokuk; Keokuk to Farmington, Bonaparte, Bentonsport, Independent, Eldon, Ottumwa, Eddyville, Oskaloosa, Pella, Monroe, and Des Moines; Newton to Monroe; Des Moines to Indianola and Winterset; Atlantic to Lewis and Audubon; and Avoca to Harlan. This is positively the only Railroad, which owns, and operates a through line from Chicago into the State of Kansas.

Through Express Trains, with Pullman Palace Cars attached, are run each way daily between CHICAGO and PEORIA, KANSAS CITY, COUNCIL BLUFFS, LEAVENWORTH and ATCHISON. Through cars are also run between Milwaukee and Kansas City, via the "Milwaukee and Rock Island Short Line."

The "Great Rock Island" is magnificently equipped, its road-bed is simply perfect, and its track is laid with steel rails.

What will please you most will be the pleasure of enjoying your meals while passing over the beautiful prairies of Illinois and Iowa, in one of our magnificent Dining Cars that accompany all Through Express Trains. You get an entire meal, as good as is served in any first-class hotel, for seventy-five cents.

Appreciating the fact that a majority of the people prefer separate apartments for different purposes (and the language, passenger business of this line warranting it) we are pleased to announce that this Company runs Pullman Palace Sleeping Cars for sleeping purposes, and Palace Dining Cars for eating purposes only. One of the great features of our Palace Cars is a SMOKING SALOON where you can enjoy your "Havana" at all hours of the day.

Magnificent Iron Bridges span the Mississippi and Missouri rivers at all points crossed by this line, and transfers are avoided at Council Bluffs, Kansas City, Leavenworth, and Atchison, connections being made in Union Depots.

THE PRINCIPAL R. R. CONNECTIONS OF THIS GREAT THROUGH LINE ARE AS FOLLOWS:

At CHICAGO, with all diverging lines for the East and South.

At ENGLEWOOD, with the I. S. & M. S., and P., Ft. W. & C. R. Rds.

At WASHINGTON HEIGHTS, with P., C. & St. L. R. R.

At LA SALLE, with Ill. Cent. R. R.

At PEORIA, with P. P. & J.; P. D. & E.; I. B. & W.; Ill. Mid.; and T. P. & W. Rds.

At ROCK ISLAND, with "Milwaukee & Rock Island Short Line," and Rock Isl'd & Peo. Rds.

At DAVENPORT, with the Davenport Division C. M. & St. P.

At WEST LIBERTY, with the R. C. R. & N. R. R.

At GRINNELL, with Central Iowa R. R.

At DES MOINES, with B. M. & F. D. R. R.

At COUNCIL BLUFFS, with Kansas Pacific R. R.

At OMAHA, with B. & Mo. R. R. R. in Neb.)

At COLUMBUS JUNCTION, with B. C. R. & N. R. R.

At CENTRAL IOWA, with Central Iowa R. R.; W., St. L. & Pac., and C. B. & Q. R. Rds.

At KEOKUK, with Tol., Ped. & War.; Wab., St. Louis & Pac., and St. L., Keo. & N. W. R. Rds.

At CAMERON, with H. St. J. R. R.

At ATCHISON, with Atch., Topeka & Santa Fe; Atch. & Neb. and Cen. Br. U. P. R. Rds.

At LEAVENWORTH, with Kan. Pac., and Kan. Cent. R. Rds.

At KANSAS CITY, with all lines for the West and Southwest.

PULLMAN PALACE CARS are run through to PEORIA, DES MOINES, COUNCIL BLUFFS, KANSAS CITY, ATCHISON, and LEAVENWORTH.

Tickets via this Line, known as the "Great Rock Island Route," are sold by all Ticket Agents in the United States and Canada.

For information not obtainable at your home ticket office, address,

A. KIMBALL, Gen'l Superintendent.

E. ST. JOHN, Gen'l Ti. and Pass'r Agt., Chicago, Ill.

U. P. R. R.

UNTIL FURTHER NOTICE TRAINS will leave and arrive at Ogden daily, as follows:

LEAVE.	
Daily	10.30 a.m.
Mixed	5.00 p.m.
Freight	3.30 a.m.
ARRIVE.	
Daily Express	5.15 p.m.
Mixed	8.40 p.m.
Freight	2.15 p.m.

Daily connections made at Ogden with Central Pacific R. R., with the Utah & Northern R'way, for points in Northern Utah, Idaho and Montana, and with Utah Central road for Salt Lake City and all points in Southern Utah.

At Green River with stages for Sweetwater mines.

At Cheyenne with the Colorado Division of the Union Pacific for Denver, Leadville, Central, Black Hawk, and all cities, mining camps and pleasure resorts in Colorado.

At Sidney with a daily line of superb Concord Coaches for Deadwood and other points in the Black Hills.

At Omaha with the Chicago and Northwestern, Chicago, Rock Island and Pacific, Chicago, Burlington and Quincy, Burlington and Missouri River in Nebraska, Kansas City, St. Joe and Council Bluffs Railroads, and Missouri River line of steamers for all points East and South.

Tickets for sale to all points east at Banker's House of McCormick & Co., Salt Lake City, also at Union Pacific Railroad Ticket Office in Ogden, at which office berths on sleeping cars can be secured.

THOS. L. KIMBALL, Gen. Ticket Agent, Omaha.

C. H. CLARK, Gen. Supt. 490

UTAH CENTRAL RAILROAD.

PIONEER LINE OF UTAH.

To Take Effect November 15, 1880.

NAME OF STATION.	No. 1 Passenger	No. 3 Passenger	Fare
TRAINS LEAVE			
Salt Lake	7 00	3 40	
*Wood's Cross	7 23	4 08	60
Centreville	7 33	4 18	75
Farmington	7 50	4 33	1 00
Kaysville	8 12	4 52	1 35
ARRIVE AT			
Ogden	9 00	5 40	2 00

NAME OF STATION.	No. 2 Passenger	No. 4 Passenger	Fare
TRAINS LEAVE			
Ogden	9 40	6 20	
Kaysville	10 21	7 10	1 00
Farmington	10 42	7 31	1 35
Centreville	10 54	7 44	1 60
*Woods Cross	11 03	7 53	1 75
ARRIVE AT			
Salt Lake	11 30	8 20	2 00

* Passing places.

MIXED TRAINS.

Leaving Salt Lake City, at 8.40 a.m., arriving at Ogden at 11.20 a.m., leaving Salt Lake at 3.05 p.m., arriving in Ogden at 6 20 p.m., leaving Ogden at 6.50 a.m., arriving in Salt Lake City at 10 a.m., leaving Ogden at 3.30 p.m., arriving in Salt Lake City at 6 45 p.m.

For all information concerning Freight or Passage, apply to

JOHN SHARP, Superintendent.

JAMES SHARP, General Freight and Ticket Agent.

UTAH SOUTHERN RAILROAD.

To Take Effect June 13, 1880.

GOING SOUTH.

NAME OF STATION.	No. 1 Passenger	No. 3 Passenger	Fare
TRAINS LEAVE	A.M.	A.M.	
Salt Lake	7 00	7 30	
Morgan	7 18	8 00	50
Germania	7 22	8 20	60
Lowendale	7 30	8 26	65
Junction	7 37	8 36	75
ARRIVE AT			
Sandy	7 45	8 45	85
LEAVE			
Sandy	7 55	9 50	
Draper	8 07	10 10	1 00
Lehi	8 44	11 20	1 65
American Fork	8 56	11 35	1 80
Pleasant Grove	9 05	11 50	1 95
	P.M.	P.M.	
Provo	9 37	12 45	2 35
Springville	9 53	1 20	2 75
Spanish Fork	10 06	1 35	3 00
Payson	10 32	2 15	3 50
Santaquin	10 39	2 40	3 75
Mona	10 54	3 10	4 25
Nephi	11 07	4 20	4 75
ARRIVE AT			
Juab	12 20	5 20	5 50

GOING NORTH.

NAME OF STATION.	No. 2 Passenger	No. 4 Passenger	Fare
TRAINS LEAVE	P.M.	A.M.	
Juab	1 00	7 50	
Nephi	1 40	9 00	75
Mona	2 00	9 40	1 10
Santaquin	2 20	10 10	1 40
Payson	2 30	10 35	1 60
Spanish Fork	2 50	11 05	2 00
	P.M.	P.M.	
Springville	3 20	12 20	2 35
Provo	3 40	12 45	2 60
Pleasant Grove	4 00	1 40	2 95
American Fork	4 14	1 55	3 10
Lehi	4 26	2 10	3 25
Draper	4 38	2 30	3 40
ARRIVE AT			
Sandy	5 00	3 40	4 05
LEAVE			
Sandy		4 40	
Junction	5 14	4 52	4 75
Lowendale	5 21	5 00	4 85
Germania	5 26	5 10	4 95
Morgan	5 37	5 22	5 05
ARRIVE AT			
Salt Lake	5 55	5 50	5 20

Nos. 1 and 2 will be run Daily.
Nos. 3 and 4 will be run Daily, Sundays excepted.

JOHN SHARP, Superintendent.

JAMES SHARP, General Freight and Ticket Agent.

UTAH SOUTHERN RAILROAD EXTENSION.

To Take Effect November 25, 1880.

STATIONS.	No. 1 Mixed.	Miles.	Fares.
TRAINS LEAVE	A.M.		
Milford	3 00		
Black Rock	4 30	22	1 25
Neels	6 40	50	2 50
Deseret	7 55	69	3 50
Riverside	8 45	78	4 00
Lemmington	10 00	98	5 00
Mills	11 20	112	5 75
ARRIVE AT			
Juab	12 00	121	6 25

STATIONS.	No. 2 Mixed.	Miles.	Fares.
TRAINS LEAVE	P. M.		
Juab	1 00		
Mills	1 40	9	50
Lemmington	3 00	25	1 25
Riverside	4 15	43	2 25
Deseret	5 05	52	2 75
Neels	6 20	71	3 75
Black Rock	8 30	99	5 00
ARRIVE AT			
Milford	10 00	121	6 25

Nos. 1 and 2 will be run Daily.

For all information concerning Freight and Passage, apply to

JOHN SHARP, Superintendent.

JAMES SHARP, General Freight and Ticket Agent.

THE OLD RELIABLE

FORT WAYNE AND PENNSYLVANIA LINE.

CONTINUOUS ALL-RAIL ROUTE!
NO CHANGE OF CARS!!
ONE ROAD, ONE MANAGEMENT!!!

—FROM—

CHICAGO

—TO—

Pittsburg, Harrisburg, Baltimore, Washington, Philadelphia and New York.

GREAT SHORT LINE

TO BOSTON

Via New York City,

Reaches all Points in Pennsylvania and New Jersey.

PULLMAN PALACE CARS

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MAGNIFICENT CARS

Equipped with the celebrated Westinghouse air brakes and Janney's New Patent Safety Platform and Coupler.

Elegant Eating Houses

WITH AMPLE TIME FOR MEALS.

3 EXPRESS TRAINS

Leave CHICAGO as follows:

8.30 a.m. Special East Express Except Sunday.

With the popular cuttbule Sleeping Car.

Reaches Pittsburg 2.30 a.m.; Harrisburg 11.45 a.m.; Philadelphia 4.00 p.m.; New York 6.45 p.m.; Boston 6.15 a.m.; Baltimore 6.30 p.m.; Washington 9.00 p.m. next day.

5.15 Atlantic Express. Daily.

With Drawing Room and Bed Car.

Reaches Pittsburg 11.15 p.m.; Harrisburg 10.55 p.m.; Philadelphia 3.35 a.m.; New York 6.45 a.m.; special Philadelphia Sleeping Car on this train, which remains in depot until 7.30 a.m. affording Philadelphia Passengers a full night's rest.

9.10 p.m. Night Express Except Sunday.

With Drawing Room Sleeping Car.

Reaches Pittsburg 7.30 p.m.; Harrisburg 3.20 a.m.; Baltimore 6.30 a.m.; Washington 7.30 a.m.; Philadelphia 8.00 a.m.; New York 11.00 a.m.; Boston 8.45 p.m. Through Baltimore and Washington Sleeping Car on this line.

FARE ALWAYS AS LOW AS ANY OTHER LINE.

Through Tickets for sale at all Principal points in the West. Ask for them via FORT WAYNE and PENNSYLVANIA LINE.

F. R. MYERS, General Passenger and Ticket Agent, CHICAGO.

BINGHAM CANYON RAILROAD.

On and after Sunday, August 1st, 1880, the Bingham Canyon Railroad passenger trains will make close connections with Utah Southern Railroad, to and from Salt Lake, running as follows:

Leaves Junction	at 7.45 a.m.
" Jordan	at 7.55 "
" Revere	at 8.35 "
Arrives at Bingham	at 8.15 "
Leaves Bingham	at 2.40 p.m.
" Revere	at 3.20 "
" Jordan	at 3.55 "
Arrives at Junction	at 4.05 "
ON SUNDAYS	
Leaves Bingham	at 4.20 p.m.
" Revere	at 5.00 "
" Jordan	at 5.35 "
Arrives at Junction	at 5.45 "

S. D. BERRY, Ass't Supt. J. G. KENNEDY, Manager.

Wei De Meyer's

CATARRH

CURE. Unquestionably the most important medical discovery since vaccination. A remedy which assimilates with the mucous membrane and forms not only local, but a constitutional cure at any stage. One package generally suffices. Delivered by Druggists or by D. B. DEWYE & CO., 49 Dey Street, N. Y., $1.50 complete. Twelve new remarkable statements by the cured, mailed free. The afflicted can refer to:

Dr. W. H. THURSBELL, Elgin, Ills.; Mrs. H. HARPER, 765 Stout st., Denver, Col.; SHELDON COLLINS, Baldwin's Hotel, San Francisco;
Miss MARGUT E. BANKER, 404 Clark St., Chicago;
Mrs. M. E. SHINEY, 3622 Savannah St., St. Louis;
MLLE AIMEE, Opera Prima Donna;
PAUL BOYNTON (the Swimmer), Flushing, L. I.;
SAM'L BERNSTEIN, 697 Broadway, N. Y.;
Rev. C. H. TAYLOR, 140 Noble St., Brooklyn, N. Y.;
Dr. F. M. CLARK, 8 Montgomery St., San Francisco;
Rev. GEO. E. PRATT, St. Stephens Church, Phila.;
Rev. C. E. JONES, New Brighton, S. I.; &c.
A real cure for Catarrh for $1.50!
d9 eow 6m

MAY & CLADE

HAVE opened a BUTCHERS' SHOP at 32 First South Street, next to Chilmer's Store, where they will sell

BEEF, MUTTON, PORK, and VEAL

At the LOWEST PRICES. Give us a call.

SAUSAGE a specialty.

Meats delivered Free to all parts of the City.
d268 1m

$1000 REWARD

For any case of Blind, Bleeding, Itching, Ulcerated, or Protruding PILES that Dr. King's Pile Remedy fails to cure. Prepared by J. P. MILLER, M.D., Philadelphia. None genuine without his signature.
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One Dozen Photographs Gratis!

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Salt Lake City, between this and the New Year, will be presented with ONE DOZEN of their Photographs free! Look for a Sample in the window.

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STONECUTTERS AND BUILDERS

TOMBSTONES, MONUMENTS, MARBLE MANTLES, IRON MANTLES, GRATES, & HEARTH-STONES.

South Side of South Temple Street, a little East of Eagle Gate.

McKENZIE REFORM CLUB

HOLDS REGULAR MEETINGS EVERY Monday Evening, at the Emporium Hall, at 8 o'clock

The Reading Room and Library are open to the public from 8 a.m. to 10 p.m. All are welcome.

JAS. F. BRADLEY, President.
J. T. BUCKLE, Secretary.

The Ladies' Temperance Union hold Monthly Meetings on the Fourth Tuesday in each month at 3 p.m. Weekly Meetings every Monday evening at 7 o'clock.
d83 1y

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DEALER IN

Fish, Poultry & Game,

FRUIT, VEGETABLES & GROCERIES,

—ALSO—

FLOUR, GRAIN, HAY & SEEDS,

First South Street, opposite Kimball Block, Salt Lake City, No. 1257.

Goods delivered punctually in all parts of the city. Satisfaction Guaranteed.

WATCHES AND JEWELRY,

ELEGANT and NEW!

JUST ARRIVED, A FINE AND WELL SELECTED STOCK OF

Ladies' Cameo and Amethyst Sets, Black and Roman Ear-rings, Tie-pins, Necklaces, Lockets, Finger-rings, Studs, Buttons, Etc., Etc.,

All of the Latest Designs,

—AT—

LOWEST PRICES!

REPAIRING Promptly Executed.

Articles and Workmanship Guaranteed to give Perfect Satisfaction.

CARL C. ASMUSSEN.

JUST OUT

—AND—

FOR SALE AT THIS OFFICE A

NEW CHEAP EDITION

—OF THE—

Doctrine AND Covenants.

JUST THE THING FOR

Missionaries, Sunday Schools and Travelers, or to Send to Friends.

PRICE, Cloth Embossed.....$1.00
" Leather " 1.25

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DESERET NEWS COMPANY,

SALT LAKE CITY, UTAH.

DR. WM. HALL'S BALSAM

FOR THE LUNGS.

Cures Consumption, Colds, Pneumonia, Influenza, Bronchial Difficulties, Bronchitis, Hoarseness, Asthma, Croup, Whooping Cough, and all Diseases of the Breathing Organs. It soothes and heals the Membranes of the Lungs, inflamed and poisoned by the disease, and prevents the night-sweats and tightness across the chest which accompany it. CONSUMPTION is not an incurable malady. It is only necessary to have the right remedy, and HALL'S BALSAM is that remedy. DON'T DESPAIR of RELIEF, for this benign specific will cure you, even though professional aid fails.

HENRY'S CARBOLIC SALVE

Henry's Carbolic Salve heals burns.
Henry's Carbolic Salve heals sores.
Henry's Carbolic Salve allays pain.
Henry's Carbolic Salve cures eruptions.
Henry's Carbolic Salve heals scalds.
Henry's Carbolic Salve heals bruises.
Ask for Henry's and use no other.
BEWARE OF COUNTERFEITS.

Baker's Pain Panacea

FOR MAN AND BEAST.

For External and Internal Use.

The Greatest Pain Reliever of the Age.

Eeley's Carbolic Troches

A SURE PREVENTIVE OF Contagious Diseases, Colds, Bronchitis, Diphtheria, and Whooping Cough.

PLEASANT TO THE TASTE.

Green's Oxygenated Bitters

Relieve Dyspepsia and Biliousness.

For Sale by all Druggists.

JOHN F. HENRY & CO.,
SOLE PROPRIETORS,
24 Dollar Place, New York.

EVENING NEWS.

Tuesday, Dec. 28, 1880.

BY TELEGRAPH

FOR WESTERN UNION TELEGRAPH LINE.

AMERICAN.

A FRIGHTFUL CHAPTER.

Record of Three Days Crimes and Casualties.

LOUISVILLE, 25. — Peter Meeks stabbed Harvey Bell in the heart, near the market. The murderer was arrested. Both were negroes and both on a spree.

New York, 27.—Felix Heymann, a merchant of Savannah just recovered from a fit of sickness, suicided to-day.

St. Louis, 27.—Thaddeus Babber, for killing his mistress, Lizzie Schwendler, and her mother, about a year ago, and Joe Banks, a negro, for murdering his wife, on the 28th of last March, were sentenced by Judge Laughlin, in the criminal court, to-day, to be hanged in this city on the 11th of next February. Both cases will be appealed.

Allentown, Pa., 27.—Jacob Gogel and wife, residing four miles from Bethlehem, were found dead in bed this morning, their heads nearly severed from their bodies. A bloody axe was found in the apartment and the walls were splashed with blood. Jos. Snyder, who boarded with the Gogels, was believed to be the murderer. He was caught by the infuriated mob, soon after the discovery of the crime, and was hanged to the nearest tree. Gogel leaves three children.

Utica, N. Y., 26.—Henry Ostrander, aged 29, shot and killed his brother, Geo. Lyman Ostrander, aged 26, at their home near Camden, this county. Henry was jealous because his little sister Carrie was caressing his brother. He spit tobacco juice into her face and George warned him to stop. Henry shot George through the eye, killing him instantly. Henry says George had his pistol half cocked, but he was too quick for him. He says George was trying to ruin the whole family.

New York, 26.—*Herald* Paris says: Our Florence correspondent telegraphs that four Americans, two of them calling themselves Willis and wife, and the other two Colbert and wife, have been arrested at the Hotel De Nova York, and are now imprisoned on suspicion of selling Tunisan, French and other securities, which are forgeries. Nothing was found on their persons or in their trunks. The investigation is going on before the American consul. Another of the same party, who is said to be an Englishman and to be named James Jay, was arrested at Milan. Bonds were found on him to a large amount. All were counterfeit.

Richmond, Va., 27.—Within the past 48 hours, four tramps have been found in a dying condition from being suffocated by the gas of the lime kiln in the lower part of the city, where such characters are in the habit of spending their nights. Two of these mentioned have died.

During an altercation, on Friday, in Halifax county, between Marion Wimbish, a white boy, aged 17, and a negro boy, about the possession of an axe, the negro attempted an assault on Wimbish with a hoe, when the latter dealt him a blow on the neck with the axe, almost severing the head from the body.

Three miners, working in Union Coal Mine, Chesterfield County, were caught by the caving portion of a mine on Friday last and killed. The accident occurred at dinner hour while all the miners, except those mentioned, were out of the shaft, otherwise the loss of life would have been very great. The victims are colored men and all leave large families.

New Orleans, 27.—A collision occurred on Sunday morning, between the south-bound passenger and a freight train, at the State line of the Mobile and Ohio Railway. Two engineers and two brakemen were killed, and several others fatally wounded.

Logan, Iowa, 27. — On Sunday evening, John Kenney, an old man, went to his room with a bucket of coals to warm the room. Some hours later the body was found on the floor burned to a crisp. It is supposed he suffocated and then burned.

Charlotte, N. C., 27.—A frightful railroad disaster occurred on the Air Line Railroad here, 500 yards beyond the Paw Creek trestle, nine miles from the city. Two freight trains left Charlotte yesterday morning in sections, one about 15 minutes behind the other. On the up grade, just beyond the Paw Creek trestle, 14 cars of the forward train broke loose and stopped after running a short distance. In the rear car were Flagman Bob Griffiths and six passengers, three of whom were colored. When the detached cars stopped Griffith immediately jumped off, and having told the train men to notify the passengers they had broken loose from the remainder of the train, immediately started back to signal the second section. He had not gone far before he heard the approaching train, and then realized the fact that he could proceed no further because of the trestle, which is 150 yards wide, and very heavy. He waved the flag as the engine in charge of Engineer Wassenberry came in sight, and the engineer expressed his recognition of it by immediately blowing on brakes; but his train was heavy and he was nearing the bottom of one of the biggest grades on the road, hence it was impossible to stop. As soon as he realized these facts, and before crossing the trestle, he reversed his engine and continued to blow on brakes. Realizing the catastrophe, he left his seat and standing in front of the fire-box, with his hand on the lever, awaited the shock. It came, and he was partially knocked down by match wood from the tender, but was otherwise unhurt, though almost entirely shut in by the mass of debris which was thrown against the engine. His life was probably saved by the fact that the rear of the tender was thrown to one side, thus diverting the full momentum of the train from the engine to the side of the cut, against which the shattered cars were piled in an inextricable mass. What occurred in the cut is obtained from a statement made by Thomas H. Gaither, of this city, who was a passenger, and who miraculously escaped, though seriously injured, having had several of his ribs broken. There were six passengers besides the flagman.

The train which ran into them had caught up with them at Wood station, a few miles back and hence, when its coming was announced, no one felt apprehensive. The flagman had been sent back as an additional precaution and hence no attention was paid to the approaching train. It was upon them before they knew it. Gaither remembers that he and Philip S. Whisnant started to get out, but before he passed the middle of the car he was knocked down. He managed, with the assistance of a colored man, to extricate himself by lifting the top of the car off. The other passengers, Philip S. Whisnant, of this city, Charlie Selters, whose parents live in City Hall, and a negro named Ned Stroud, were all killed. The cars telescoped each other and were piled in the greatest confusion. The mass caught fire and the remnants of the cars, including that in which was the passengers were destroyed. At least one of them, name unknown, was burned alive, his cries being heard. The charred remains were recovered after several hours, but could not be recognized, the head, feet and hands being entirely burned off.

CONDEMNED!

Alum Baking Powders in Court. Interesting Testimony of Scientific Men.

(*New York Times.*)

Within the past two years, a bitter controversy has been waged between manufacturers, on account of the use of alum as a cheap substitute for Cream of Tartar, by many manufacturers of baking powders. The handsome profits yielded by using the substitute have induced dealers as well as manufacturers to push them into the hands of consumers, sometimes under definite brands, frequently by weighing out in bulk without any distinguishing name.

Are such powders wholesome? The Royal Baking Powder Co., who make a Cream of Tartar baking powder, declared that they are injurious to public health, while others who make alum powders claim that they are not. The whole matter as to the effects of these alum powders, has finally been brought into the courts, and the case was tried in the Superior Court of New York city before Chief-Justice Sedgwick, reported substantially as follows in the "N. Y. Sun."

CONCLUSION OF A LITTLE TROUBLE BETWEEN A CHEMIST AND AN EDITOR.

The suit of Dr. Henry A. Mott against Jabez Burns, has brought to light the fact that this country produces at least forty-two different kinds of baking powders. Neither Burns nor Mott has been found guilty of making the baking powders, but Burns, who is the editor of a periodical called the *Spice Mill*, has been severely mulcted for libel in his efforts to make his paper spicy. Dr. Mott, it appears, is a chemist and at one time was employed by the United States Government to analyze different specimens of baking powder which had been recommended for adoption to the Indian Bureau. Dr. Mott reported in favor of the cream of tartar baking powders for the Indians, and against the alum baking powders. The chemist analyzed forty-two kinds of baking powders.

The jury were out about half an hour. Then they came in with a verdict awarding Dr. Mott $8,000, to which the court made an additional allowance of $150."

As the public have a large interest in the wholesomeness of whatever it is called upon to use as food, the following extracts are introduced from the testimony of some of the prominent men as to the injurious effects of alum powders:

DR. MOTT:

Q. Were you employed by the U. S. Government?

A. I was, sir; was employed as chemist to analyze all the articles of food; to express an opinion as to the analysis of their healthfulness and purity.

Q. Please tell the jury the Baking Powders that you examined while in the employ of the Government?

A. It would be difficult to remember them all. I could refer to my books; I examined twenty-eight powders; was given sixteen at first.

By the Court:

Give your best recollection.

Q. And one of the powders included was "Dooley's Baking Powder?"

A. Yes, sir.

Q. And the "Charm?"

A. "Yes, sir; the "Charm" and "Patapsco."

Q. Please state in which powders you found alum?

A. I found alum in Dooley's "Patapsco," "Charm," "Queen," "Vienna," "Orient," "Amazon," "Lake Side," "Twin Sisters," "Superlative," "King," "White Lily," "Monarch," "One Spoon," "Regal," "Imperial," "Honest," "Economical," "Excelsior," "Chastree," "Grant's," and "Giant."

Q. Now, these powders mentioned in your communication in the *Scientific American*: "Dooley's," "Standard," "Patapsco," "Charm,"—Baking Powder manufactured by C. E. Andrews, of Milwaukee, you stated you found burnt alum; if you will please name the respective powder that you have examined was it potash or ammonia alum you found?

A. In the "Patapsco," "Charm," and in the Andrews, it was ammonia alum.

Q. What is the gas usually furnished by Baking Powders?

A. The object of Baking Powders is to furnish carbonic acid gas.

Q. Will you state to me again what other gas beside carbonic acid gas is proper to be evolved from a baking powder?

A. A limited amount of ammonia gas.

Q. I notice in your article that you say starch is a proper ingredient to put in the baking powder?

A. Starch is a proper ingredient to prevent the decomposition of baking powders.

Q. Recurring to the question that has been asked you upon this suit—the result of these examinations which you have made—is it your opinion that alum in these various compounds, in Baking Powders such as you have examined, is injurious?

A. It is my opinion, based upon actual experiments on living animals.

CHARLES F. CHANDLER, called on behalf of the plaintiff, being duly sworn, testified as follows:

Q. Dr. Chandler, you reside in the City of New York?

A. I do.

Q. Your business is that of a chemist?

A. It is.

Q. You are and have been Professor of Chemistry in several colleges?

A. I have.

Q. Please state how long that employment of yourself has been, and with what colleges you are now connected.

A. I am at present Professor of Chemistry in the Academic Department of Columbia College; the School of Mines, Columbia College; the New York College of Physicians and Surgeons, and the New York College of Pharmacy.

Q. You are President, also, of the Board of Health, are you not?

A. I am.

Q. In your various employments, have you had frequent occasion to examine the question of the wholesomeness of food, and the beneficial or injurious effects of its ingredients?

A. I have.

Q. I will ask you in regard to the use of alum with soda, in a baking powder, whether or not it is neutralized—is there any injurious constituent of alum left?

A. There is an injurious constituent left after the mixture of alum and bicarbonate of soda.

Q. Without using any nicety of chemical terms, what is your opinion about the use of alum in a baking powder, in combination with bicarbonate soda and other ingredients, for raising bread—whether injurious or not?

A. I think it is *dangerous* to the digestive organs, and liable to produce serious disturbance of the liver of the individual making use of such powders.

HENRY MORTON, President of "Stevens Institute," called in behalf of the plaintiff, being duly sworn, testified as follows:

Q. You are President of Stevens Institute?

A. I am.

Q. And have for many years been a chemist?

A. I have.

Q. Have you had occasion to examine the substances which are used in the composition of Baking Powders?

A. I have.

Q. Did you, some time ago, examine a sample of Dooley's Baking Powder?

A. I did.

Q. Is that it, sir? [Handing can.]

A. Yes, sir; that is it.

Q. Well, what kind of alum did it contain?

A. It contained potash alum.

Q. Did you make any extract of that alum, to show the kind?

A. I did; I extracted a large quantity of it as potash alum, and it is in that bottle which I have now here [showing bottle]; that is potash alum, which came out of the alum Baking Powder that was in that can.

Plaintiff's Counsel offers that can of Dooley's Baking Powder in evidence.

Q. Now, sir, have you made any experiment in the bread made from Baking Powder, to see whether there was any soluble alumina in the bread, itself?

A. I have; I took a portion of this powder and mixed it with flour in the directed proportions, and baked a small loaf with it; then I soaked this loaf—the interior part of it—in cold water, and made an extract, in which I readily detected, by the usual tests, alumina, that is, alumina in a soluble condition.

Q. Does any Baking Powder in which any alumina salts enter, contain alumina, in your opinion, which can be recognized in the process of digestion—are not such objectionable?

A. Very decidedly objectionable, in my opinion.

Q. Why do you say—from what system of reasoning do you make it out—that because alum is injurious, alumina is injurious?

A. Because the injurious effects of alumina, when it gets into the stomach and reacts on the organs, are the same; this hydrate of alumina, reacts in the stomach—the gastric juices, and reacts with them in the same way alum would; it forms, in fact, a kind of alum in the stomach with those acids, and whatever alum would do, it would do.

DR. SAMUEL W. JOHNSON, Professor of Chemistry, in the Scientific School, Yale College, being duly sworn, testified as follows:

Q. You have had much to do in the examination of substances that enter into food, and the adulteration of food?

A. More or less; yes, sir.

Q. After the use of alum with soda, in a baking powder, in your opinion, is there any injurious substance left?

A. In my opinion, there is an injurious substance left.

Q. When, sir, two years ago, was the prevailing opinion among scientific men, as to the effect of the use of alum in Baking Powders?

A. As far as my acquaintance with scientific men is concerned, my personal opinion is derived from my intercourse with them and reading; I should think the opinion was that alum, or any compound of alumina would be decidedly injurious.

Q. Do I understand you to say that any baking powder in which there are aluminous salts, or any resultant from alum which could be absorbed in digestion, is objectionable and injurious?

A. I do, sir.

DR. JOHN J. HAYMORE called, sworn, and testified as follows:

Q. Would you be good enough to state your profession?

A. I am a physician, sir, and a professor of physiology.

Q. You also were, and have been for some time, sanitary superintendent in Brooklyn—is not that so?

A. I have, sir.

Q. Now, sir, I will ask your opinion from the experience, whether the use of alum with soda, in a baking powder, is injurious or not, in its physiological effect?

A. I consider it to be injurious.

Q. You examined the question for the Board of Health in Brooklyn, some years ago, did you not?

A. Two years ago, sir, in December.

By the Jury:

Q. What was the result of your investigation as to the use of alum in baking powder?

A. The result of my investigation at that time was that the flours which Look place between the time that alum baking powder was put in the bread, and the time the bread was eaten, the chemical changes were so little understood by chemists, that as a physician and physiologist, I considered it a dangerous compound.

Dr. Mott, the Government chemist, in his review of the subject in the *Scientific American*, makes special mention of having analyzed the Royal Baking Powder, and found it composed of pure and wholesome materials. He also advises the public to avoid purchasing baking powders from dealers in bulk, as he found by analyses of many samples that the worst adulterations are practiced in this form. The label and trade mark of a well known and responsible manufacturer, he adds, is the best protection the public can have.

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