

Thermometrical Freaks.

A word on the thermometer. On a certain day A will tell you that it was 90, B will declare that it was 95, while C stands ready to swear that it was 100—for didn't he see it with his own eyes? Now, don't quarrel, for all may be right. The real heat of the atmosphere is one thing—the refracted heat quite another; and therein lies the difference.

It will be noticed that the temperature, reported by the Signal Service, is considerably less than that given by other observers. In Cincinnati, the Signal Service thermometer is higher up than the city, and is protected from refraction either from the earth beneath or any thing around it. This gives the actual temperature of the atmosphere; but it is considerably below the heat which one actually sustains in passing along the street. The stone buildings accumulate and give out heat. The pavement and the walls refract it. Hang a thermometer on one of our streets on a summer's day, protected by an awning, so as to be "in the shade"—the heat from the buildings and that thrown off from the walls and pavements will raise its mercury ten or fifteen degrees above that of the Signal Service.

There is another reason why the thermometer fails to indicate the heat felt by the pedestrian. Of course, every one knows that rapid evaporation produces cold. By the rapid evaporation of ether, or like substances, ice may be made on the shortest of summer days. Well, a breeze striking the pedestrian rapidly evaporates the moisture of his body, and makes him cool. This is the secret of fanning. But a breeze has absolutely no effect on the thermometer, unless it happens to be a current of actually cooler air. On the other hand, moisture in the air, by preventing evaporation, often increases the heat of the body; the damp hot days are most productive of suffering and sunstroke. The thermometer gives no indication of this either.

Hence we see that different thermometers "in the shade" may vary many degrees at the same moment, and, further, that they may fail by many degrees, either too much or too little, to indicate the actual heat which the human frame has to sustain. Fortunately, Nature has provided the body with machinery for throwing off heat in warm weather and retaining it in cold. The pores of the skin are the safety valves. The normal temperature of the body is about 98 deg., and increased perspiration or checked perspiration holds it so through all variations of temperature. If by any means, whether through derangement of other functions, through drafts of wind, or too much heat accompanied with moisture, these safety valves are unable to do their work, and the temperature of the body either rises or falls by a very few degrees, then comes illness, shock, and even death.—Cincinnati Times.

FRENCH MANAGEMENT.—In preparing steaks for sale, the French butcher carefully separates the bones from the meat, and reserves them for other purposes. The housewife orders just enough for each person, and no more, even to the coffee. If a chance visitor drops in, somebody retires and an extra cup is so provided, but nothing extra by carelessness or inattention. When the pot has boiled, the handful of charcoal in the little range is extinguished, and waits for another time. No rearing cook-stove and read-hot covers all day long for no purpose but waste. The egg laid to-day costs a little more than the one laid last week. Values are nicely estimated and the smallest surplus is carefully saved. A thousand little economies are practiced, and it is respectable to practice them. Cooking is an economical as well as a sanitary and gustatory science. A French cook will make a franc go as far as an American housewife will make three, and how much further than the American Bridget nobody knows—we should probably be greatly astonished could the computation be made how much of the financial, recuperative power of France is owing to her soups and her cheap food; better living, after all than the heavy bread and greasy failures of our culinary ignorance.—Ex.

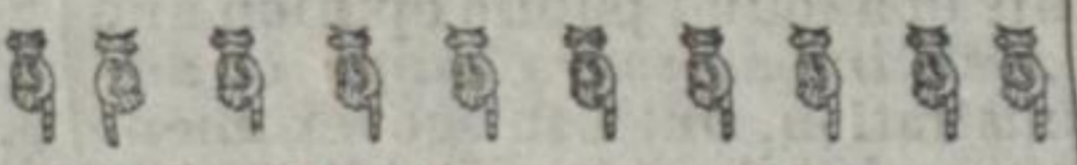
GRAPES IN FEVER.—Dr. Hartzen, of Cannes, recommends grapes as a valuable diet in fever. The grapes contain a considerable amount of hydro-carbonaceous matter, together with a certain quantity of potassium salts, a combination which does not irritate, but, on the contrary, soothes the stomach, and consequently is used with advantage, even in dyspepsia. While considering the carbohydrates contained in the grape we must not neglect the organic acids, particularly tartaric acid. Dr. H. thinks the nourishing influence of these acids too much neglected. It is indeed known that they are changed to carbonic acid in the blood and are excreted as carbonates in the urine. Possibly careful research might show that under some circumstances the organic acids are changed to fats. Dr. H. believes that the organic acids should be ranked with the carbohydrates as foods. When fresh grapes are not to be had, raisins or diluted wine might be used.—Medical Times.

—The Boston Globe is concerned over the question what will be done with the millions of old bustles, now that the "improved bustle" is coming into such fearful prevalence.

A GRAND SUCCESS.—The CHARTER OAK STOVE in our kitchen is a grand success, the best stove we have ever used, and we cheerfully recommend it with a clear conscience, knowing we do our friends and neighbors a favor who are looking for a first-class stove. w 28

\$12 a day at home. Agents wanted. Outfit and terms free. TRUE & CO. Augusta, Maine.

A NEW DEPARTURE! Travelling and Local Salesmen wanted in every city and town on the Pacific Slope, to introduce our Old and Staple manufacture; \$75 per month, hotel and travelling expenses paid. Apply by letter or in person to S. A. GRANT & CO., 2, 4, 6 and 8, Home St., Cincinnati, O. 6207



To the Working Class—We can furnish you employment at which you can make very large pay in your own locality, without being away from home over night. Agents wanted in every town and county to take subscribers for The Centennial Record, the largest publication in the United States—16 pages, 6 columns; Elegantly Illustrated; Terms only \$1 per year. The Record is devoted to whatever is of interest connected with the Centennial year. The Great Exhibition at Philadelphia is fully illustrated in detail. Everybody wants it. The whole people feel great interest in their Country's Centennial Birthday, and want to know all about it. An elegant patriotic crayon drawing premium picture is presented free to each subscriber. It is entitled "In remembrance of the One Hundredth Anniversary of the Independence of the United States." Size 23 by 30 inches. Any one can become a successful agent, for but show the paper and picture and hundreds of subscribers are easily obtained everywhere. There is no business that will pay like this at present. We have many agents who are making as high as \$20 per day and upwards. Now is the time; don't delay. Remember it costs nothing to give the business a trial. Send for our circulars, terms, and sample copy of paper, which are sent free to all who apply; do it to-day. Complete outfit free to those who decide to engage. Farmers and mechanics, and their sons and daughters make the very best of agents. Address, THE CENTENNIAL RECORD, w27 Portland, Maine.

STRAYED COW LEFT my place, 20th Ward Bench, Saturday, July 22d, a dark Red Cow, branded W on right hip and M H on left hip. Large horns, wide apart, and had a rope around them when she left. Information of her whereabouts will be thankfully received and rewarded. d s w JOSIAH SAVILLE.

ESTRAY NOTICE. I HAVE in my possession: One light red muley steer, one year old, pari under half crop off and slit and upper slope in right ear, no brands visible. One red heifer, one year old past, branded J O on left hip, on right side, crop off and slit in left, upper bit in right ear. Which, if not claimed, will be sold at the district pound in Moroni, Sanpete Co., on Monday, Aug. 7th, A. D. 1878, at 2 o'clock p.m. J. L. JOLLEY, District Poundkeeper. Moroni City, July 28th. [d s w]

For Soap Making Use the old Reliable SAPONIFIER, OR Concentrated Lye, Directions for using it accompany each package. Ask for it at Z. C. M. L. and all branch stores. w 15

EAGLE HOUSE, S.P. Teasdel.

VISITORS TO CONFERENCE.

Daily Arrival of Goods for Fall and Winter use.

Boots and Shoes! Boots and Shoes!! Boots and Shoes!!! Flannels, Linseys, Waterproof Cloths. Woolen Shawls in New Styles.

Alpacas, Dress Goods, Canton Flannels. Gents' Clothing, Overcoat, Cassimere Suits and Underwear.

Hats in every Variety of Style. Classware and Crockery.

Cash paid for Dried Apricots, Plums and Peaches.

RELIABLE PRICES, GOOD ATTENTION.

\*\* Goods Packed and Delivered without charge to Railroad Depot and all parts of the City.

EAGLE HOUSE, S.P. Teasdel. w334m

CHICAGO & NORTH-WESTERN Railway.

GO EAST

via the Trans-Continental Route. This is the shortest, best and only line running Pullman's celebrated Palace Sleeping Cars and Coaches, connecting with Union Pacific R. R. at Omaha and from the West, via Grand Junction, Marshall, Cedar Rapids, Clinton, Sterling and Dixon, for

Chicago and the East. Passengers for Chicago, Detroit, Toledo, Cleveland, Buffalo, Niagara Falls, Pittsburg, Cincinnati, Toronto, Montreal, Quebec, Portland, Boston, New York, Philadelphia, Baltimore, Washington, Indianapolis, St. Louis, Cairo and all

POINTS SOUTH and EAST, should buy their tickets via Chicago and the Chicago & North-Western Railway.

Close connections are made at Chicago with the Lake Shore & Michigan Southern, Baltimore & Ohio, Michigan Central, Pittsburg, Fort Wayne & Chicago, Kankakee Line and Pan Handle Routes, for all points EAST and SOUTH-EAST, and with the Chicago & Alton and Illinois Central for all points SOUTH.

This is the Pioneer Line between the Pacific Coast and Chicago, and was the first to connect with the great Pacific Roads, and form the OVERLAND ROUTE. This line is the shortest rail line between Omaha and Chicago; the track is of the best steel rail, and all the appointments are first-class.

The trains are made up of elegant new PULLMAN PALACE DRAWING ROOM AND SLEEPING COACHES, luxurious, well lighted and well ventilated Day Coaches, and pleasant lounging and smoking cars. The cars are all equipped with the celebrated Miller Safety Platform, and patent Buffers and Couplings, Westinghouse Safety Air Brakes, and every other appliance that has been devised for the safety of passenger trains. All trains are run by telegraph. In a word, this

GREAT THROUGH LINE

has the best and smoothest track, and the most elegant and comfortable equipment of any road in the West, and has no competitor in the country.

Remember, you ask for your Tickets via the Chicago & North-Western Railway, and take no other.

Tickets over this route are sold by all Ticket Agents in the United States.

MARVIN HUGHITT, General Supt. W. H. STENNETT, Gen'l Pass. Agent. w1

\$5 TO \$20 per day at home. Samples worth \$1 free. STEINSON & CO., Portland, Maine.

FARMERS OF UTAH.

THERE is no business where success depends more upon Labor Saving inventions than yours, and in

THE WAGON & MACHINE DEPARTMENT

OF Z. C. M. I.

Can be found a Large Variety of Stock which we desire to reduce this season, to accomplish which we shall sell cheap, all the best styles of

Mowers, Reapers, AND Combined Machines,

SULKY & REVOLVING HAY RAKES

FREIGHT, FARM AND LIGHT WAGONS,

Gang Plows, Seed Drills,

Scrapers, Railroad Plows,

Garden Drills, School Bells,

WAGON TIMBER AND REPAIRS

Machine Extras,

Horse Collars, Cider Mills,

Harness, Fan Mills

WE ARE ALSO AGENTS FOR

Whitman's Threshing Machines, all sizes. Wheeler's Railway and Sweep Power Machines, all sizes. Dederick Perpetual and other Hay Presses. Leffel's Turbine Wheels and Bookwalter Upright Engine and Boiler. Blandy's Saw Mill and Portable Engine. Munson's Portable Grist Mill and Machinery. Howe's and Babcock's Eureka Smutter. Shingle Mills. Molasses Mills. Hay Scales. Feed Mills. Evaporators. Field Rollers. Bolting Cloth, Etc.

We keep a full supply of the Well Tried and Popular

STUDEBAKER WAGONS,

ALL SIZES,

WHICH WE WARRANT TO STAND

Second to none in the Territory.

FARM PLOWS, Harrow Teeth, Etc.

(GENERAL AGRICULTURAL IMPLEMENTS.)

Now is the Chance, as this Department will be condensed and Moved as soon as Possible.

H. B. CLAWSON, Supt. Salt Lake City, 1878.

WOOL! WOOL!! WASATCH WOOLEN MILLS.

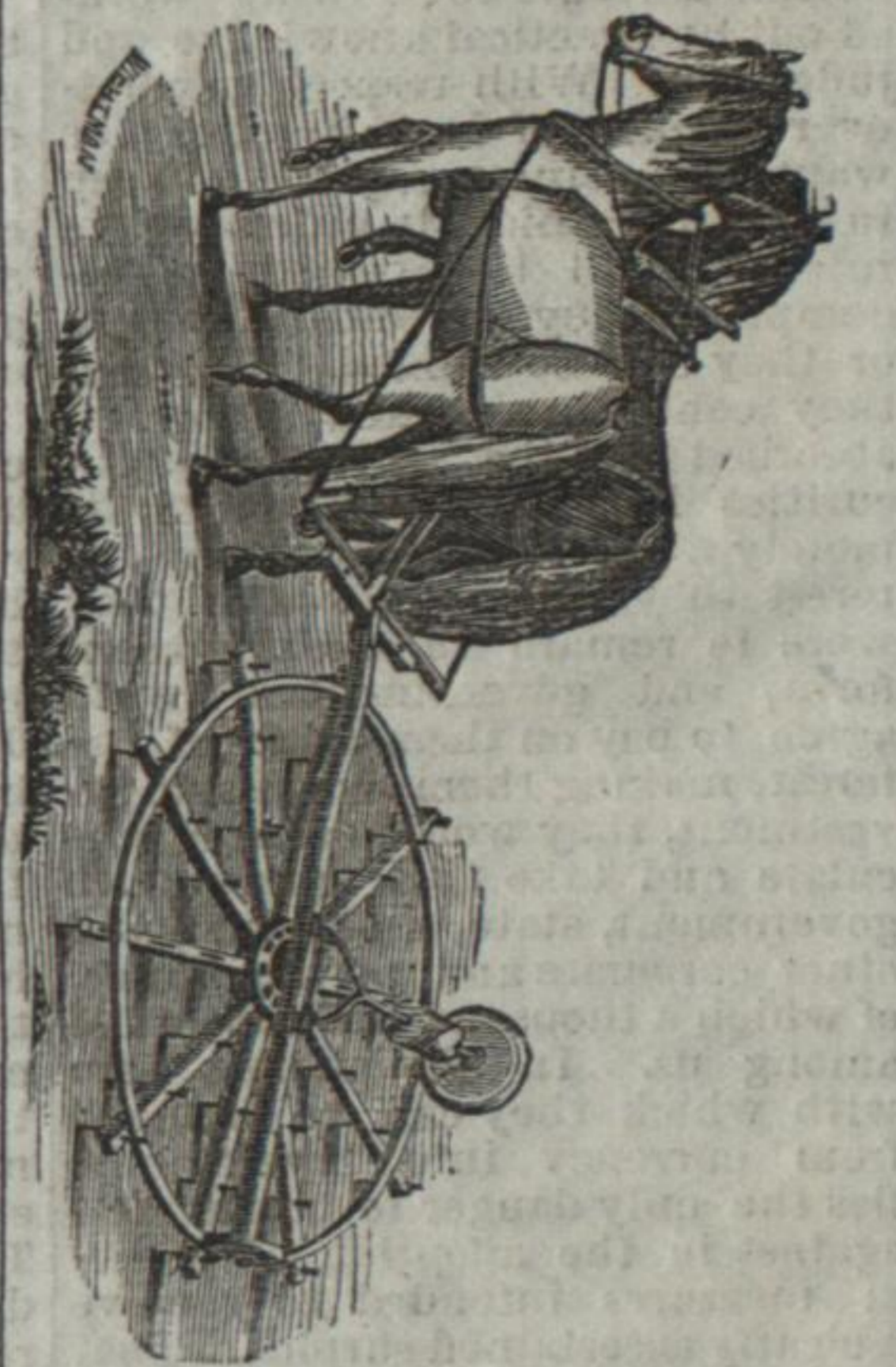
Wanted 100,000 lbs. of Wool.

For which I will pay the highest price in Cash, Store-pay, and Home-made Cloth, consisting of Doeskins, Tweeds, Jeans, Flannels, Linseys, Blankets, etc. Also, Yarns, plain and fancy.

I am prepared to furnish Suits made from cloth of my own manufacture to order, in any style, costing from \$20 to \$30.

Office of the Mills—First South Street, opposite Townsend House, and at the Factory, three fourths of a mile East of the Penitentiary. w19 JAMES MCGHIE, Lessee.

BURDICK'S CHAMPION ROTARY HARROW!



REVOLVES continually while in operation, so that large lumps or any obstruction of the kind cannot clog it. Therefore as a Pulverizer, Soil Mixer, Grain Coverer, and to Level the Surface it has no equal, doing three times the work of any other Harrow with same labor. Thousands have been sold and are in use, giving the greatest satisfaction.

LOCAL TESTIMONY:

Every Farmer that we have seen witness the working of Burdick's Champion Rotary Harrow is convinced of its Practical Utility and Superiority.

WILFORD WOODRUFF, G. B. WALLACE, WM. THORN, A. P. ROCKWOOD, JNO. R. WINTER, H. G. CLARK.

PRICE \$30.00. For sale at

H. DINWOODEY'S

Wholesale and Retail

FURNITURE STORE,

75, 77 & 79 1st South St., S. L. City,

Where you can buy

BABY CARRIAGES, PARLOR BRACKETS

MIRRORS! FEATHERS!!

Wall Paper, Spring Beds,

HAIR & WIRE MATTRESSES. w3

THE ENEMY OF DISEASE!

THE FOE OF PAIN

TO MAN AND BEAST

Is the Grand Old

MUSTANG

LINIMENT.

Which has stood the test of 40 years.

There is no sore it will not heal, no lameness it will not cure, no ache, no pain, that afflicts the human body, or the body of a horse or other domestic animal, that does not yield to its magic touch. A bottle costing 25c., 50c., or \$1.00, has often saved the life of a human being, and restored to life and usefulness many a valuable horse.

For Men, it will cure

Rheumatism, Burns, Scalds, Bruises, Cuts, Frost-bites, Swellings, Contracted Cords, Pain in the Back, Lumbago, Sciatica, Chilblains, Strains, Sprains, Stiff Joints, Sore Nipples, Eruptions, Pains, Wounds, Ulcers.

For Animals, it will cure

Spavin, Galls and Sores, Swifty, Ring Bone, Windgalls, Big Head, Poll Evil, Humors and Sores, Lameness, Swellings, Scratches, Distemper, Stiffness, Strains, Soreness, Open Sores. w19