

## The Storm of 1836.

An the meeting of the American Society for the Advancement of Science, Professor Elias Loomis of New York, read a paper on "The European Storm of December 25, 1836." This storm was felt over a large portion of Europe, and in England, there occurred one of the severest snowstorms ever known in that country. The London Times remarks, "Never before, within our recollection, was the London mails stopped for a whole night at a few miles from London, and never before have we seen the intercourse between the Southern shores of England and the metropolis interrupted for two whole days." The area covered by the rain and snow formed a circle nearly 1,500 miles in diameter. Over almost the whole of this area, the barometer stood below its mean height. At the center, the barometer was depressed one inch below its mean height, while at Iceland, the barometer stood more than one inch above its mean height. The point of greatest depression was near Switzerland, and this may be regarded as the center of the storm. Throughout the entire area of rain and snow, the winds for several days exhibited a tendency to crowd inward towards the center of the storm, not in the direction of radii, but spirally inward, circulating round the center in a direction contrary to the motion of the hands of a watch. This tendency was very strongly indicated from the 24th to the 28th of December. Comparing this storm with the American storm of Dec. 20, 1836, and also the storms of Feb. 4 and 16, 1842, Professor Loomis has been led to the following generalizations, some of which are substantially the same as given by Mr. Esby in his Fourth Meteorological Report, but several of Mr. Esby's conclusions are stated by Professor Loomis to be only true when applied to American storms:

1. The area covered by a violent storm of rain or snow is sometimes nearly circular in form; sometimes its form is very much elongated or elliptical, its length being two or three times its breadth; and frequently is very irregular. In the winter storms of the United States, the North and South diameter is generally very much greater than the East and West diameter.

2. When storms are circular, the area of rain or snow is sometimes 1,500 miles in diameter; when their form is elliptical, the area of rain or snow is sometimes 1,000 miles wide, and 2,000 or 3,000 miles long.

3. Violent storms sometimes remain sensibly stationary four or five days, but generally the center of a storm has a progressive movement along the earth's surface. The progress varies from zero to 44 miles an hour. American storms travel more rapidly, it is supposed, than European storms.

4. Within the limits of prevalent westerly winds, when violent storms advances with considerable rapidity, the direction of progress is always from west to east—this, however, is not absolutely uniform, but varies from about due east to north 54 degrees east.

5. Great storms of rain and snow are accompanied by a depression of the barometer near the center of the storm, and a rise of the barometer near the margin; but this rise is not generally uniform along the entire margin.

6. The depression of the barometer at center of a storm sometimes amounts to more than an inch below the mean height; and the rise along some portion of the margin sometimes amounts to more than an inch above the mean height.

7. Winter storms commence gradually, and generally attain their greatest violence only after several days, and their violence gradually diminishes. This succession of changes requires a period of several days, sometimes one or two weeks, and possibly even longer. Sometimes all these changes are experienced over the same country; that is, the storm makes no progress from place to place. More commonly, however, the storm travels along the earth's surface; and although the same storm may continue for one or two weeks, or even longer, its duration at any one place may not exceed one or two days.

8. For several hundred miles on each side of the center of a violent storm, the wind inclines inward towards the area of least pressure, and at the same time circulates around the center, in a direction contrary to the motion of the hands of a watch.

9. In Europe, as well as in the United States, on the north of a great storm, the prevalent winds are from the northeast, while on the south side they are from the southwest.

10. The force of the wind is proportioned to the magnitude and suddenness of the depression of the barometer, but very near the center of a violent storm there is often a calm.

11. On the borders of the storm, near the line of maximum pressure, the wind has but little force, and tends outwards from the line of greatest pressure.

12. The wind uniformly tends from an area of high barometer towards an area of low barometer; and this is probably the most important law regulating the movement of the wind.

13. In a great storm, the center of the area of high thermometer frequently does not coincide with that of the area of low barometer, or with the center of the area of rain and snow. In the United States, on the northeast side of a storm, at a distance of over 500 miles from the area of rain and snow, the thermometer sometimes rises over twenty degrees above its mean height.

14. The storms of Europe are very much modified, and sometimes controlled, in great measure, by the Alps of Switzerland. By the

interposition of these mountains, the air which sweeps over them is forced up to a great height, where it is suddenly evolved; its vapor is condensed; heat is accordingly liberated, by which the surrounding air is expanded, and rises above the usual limit of the atmosphere.

It thence flows off laterally, leaving a diminished pressure beneath the cold; that is, the barometer shows a diminished pressure in the neighborhood of the mountain. The mountain thus becomes the center of a great storm, and the storm may continue stationary for several days, being apparently held in its place by the action of the mountain."

**GLASS BELLS.**—The sweet tones of glass, of certain forms, are familiar to most people, as, for instance, those made by moving a wet finger along the brim of a goblet, from which Dr. Franklin got his idea, which resulted in his musical instrument, called by him, we believe, the "Harmonicon." This property of glass has been taken advantage of for the production of bells of a small size. But this is not the extent of this application. A church bell of glass, fourteen inches high and thirteen inches in diameter, has recently been placed in the turret of a chapel at Barrowdale, England. It would not be surprising to see glass bells supersede to a great extent those of brass. The cheapness, as well as, perhaps, the tone, may prove sufficient inducements.

## Save your Paper Rags.

The inhabitants of Utah are requested to gather up and save their worn out wagon covers, and every description of cotton and linen rags for paper making, and deliver them, from time to time, to the Bishops of the several Wards, or the "News" and "Mountaineer" Offices or their agents, for which, when clean, they will be allowed five cents a pound. The rags can be sufficiently cleansed in pure water, without soap.

It is expected that, in a few months, all who wish can receive paper in exchange for rags.

9th EDWARD HUNTER, Presiding Bishop.

## General Notices.

## ESTRAY.

I HAVE in my possession a white OX, with red spots, branded L W H on left horn, 5 or 6 years old.

ALEXANDER BECKSTEAD, Poundkeeper, West Jordan Ward.

## UNION.

SIXTY HEAD of Good American SHEEP, mostly ewes, and a first quality double cylinder CARDING MACHINE, in complete order, for Sale. For particulars, inquire of GEO. PEACOCK, Mantl, Sanpete county, U. T.

## SNEEGROVE &amp; LOWE,

PREMIUM BOOT MAKERS, East Temple street, opposite Gilbert & Gerrish's. Fine and Fancy Boots, Shoes, Gaiters, &c., made to order on the shortest notice.

## WANTED

ALL kinds of FURS, for which a liberal price will be paid. Also Saxony sheep and Lamb's Wool, Firewood, &c.

9th JOSEPH L. HEYWOOD.

## WEST &amp; HAMMOND

ARE MANUFACTURING LEATHER, BOOTS, SHOES, HARNESS, SADDLES, &c., at Ogden City, and are prepared to fill orders in their line on short notice. Produce, Bark and Oil taken in exchange for manufactures. A liberal price paid for Hides in store pay or articles manufactured in the establishment.

42-1st

## NEWSPAPER AND BOOK AGENCY.

THE Undersigned receives Subscriptions for Eastern and West-ru Papers, Magazines, Periodicals and Books at publishing office prices.

35th T. B. H. STENHOUSE, 1st House West of Tabernacle.

## DISSOLUTION OF PARTNERSHIP.

THE Partnership heretofore existing between WM. HOWARD and H. E. BOWRING, as Tanners, Harness and Shoe Makers, has by mutual consent been this day dissolved. All parties knowing themselves indebted to the above firm, are required to settle forthwith.

All accounts for settlement may be found at the Tannery, or at H. E. Bowring's Saddler's Shop, corner Main street.

WM. HOWARD, H. E. BOWRING.

G. S. L. CITY, Jan. 9, 1861.

47-4

## NOTICE.

ALL Persons knowing themselves indebted to the Estate of JOHN G. LYNCH, deceased, are requested to call and settle immediately, and all persons having claims against the said estate, will please present them for payment, as I wish to settle up as soon as possible.

48-3 CATHERINE JANE LYNCH, Administratrix.

## NOTICE.

HANCOCK & PAGE would inform their friends and patrons that their TANNERY, which was burned some six weeks past, is now in complete repair, where they keep on hand Upper, Sole and Harness Leather for sale; also BOOTS and SHOES, wholesale and retail.

Wanted, in exchange, wheat, butter, eggs, corn, tallow, pork, and beef hides, at the highest market price.

(48-3) HANCOCK & PAGE.

## ADMINISTRATOR'S NOTICE.

NOTICE is hereby given to all persons having CLAIMS or Demands against the Estate of JEDEDIAH M. GRANT, deceased, to present the same to the undersigned administrator of said estate for settlement, on or before the 20th of February next; and all who know themselves indebted to the said estate are requested to come forward, without delay, and cancel said indebtedness, as I am anxious to close up all matters connected with the estate at the earliest practicable date.

BRIANT STRINGAM, Administrator.

G. S. L. CITY, Jan. 29, 1861.—48-3

## NOTICE TO STOCK OWNERS.

ALL Persons wishing to LET OUT STOCK, to be taken good care of, can be accommodated at the Lone Tree Ranch, on the west shore of Utah lake; the range is not surpassed in the valleys of the mountains.

Horses and cattle will be herded for one cent a head per day. Cows will be taken for half the butter and cheese, and one-third of the calves by the year. Calves will be taken at two months old and kept till two years old for one-third. Sheep will be taken, if in good condition, for one-third of the wool and lambs. The scab will be cured in one year, but one-half of the wool will be charged.

PHINEAS W. COOK.

Jan. 15, 1861.—48-3m.

## General Notices.

## HATTING:

THE subscriber hereby gives notice to the public that he has resumed the above business, at his old stand in the 17th ward, G. S. L. City, one block north of Temple Block.

9-1st JOSEPH L. HEYWOOD

## TO THE LADIES.

## MRS. STENHOUSE

RESPECTFULLY informs the Ladies of this city that she has on hand a Choice Assortment of CHEMISES and FANCY HEAD DRESSES for Balls and Evening Parties.

38-1st

## FIRST HOUSE WEST OF TABERNACLE.

## PAY FOR BURYING YOUR DEAD!

GREAT Indulgence has been allowed to persons indebted for Grave Yard Lots and Funeral expenses for the burial of their friends, but all persons so indebted are now notified that they MUST PAY IMMEDIATELY, or their accounts will be turned over to the proper court for collection.

Some persons have left the city without settling their accounts. Those accounts will be sent for collection unless they attend to them forthwith.

City, County and Territorial orders and grain will be received in payment.

27th J. C. LITTLE, G. S. L. City Sexton.

## A. MINER,

ATTORNEY and COUNSELOR-AT-LAW; Office, on East Temple Street, G. S. L. City, U. T., three doors below Staines and Needham's; will practice in all the courts of the Territory; will execute deeds, mortgages, leases, letters of attorney, &c.

Particular attention paid to collections. All business entrusted to his care faithfully attended to.

20th

## WHEAT RECEIVED IN PAYMENT OF TAXES.

HAVING been authorized by the County Court to receive wheat on taxes, due the County of Great Salt Lake, at \$1.50 per bushel, delivered at A. & R. Gardner's mill, on Big Cottonwood, those wishing to liquidate their taxes in that way, will take notice, that receipts for wheat thus delivered, will be received in payment for County Taxes on presentation at my office, at the Court House, in Great Salt Lake City, till further notice is given, or the amount wanted shall have been delivered.

41-1st R. T. BURTON, Assessor and Collector.

## TEN DOLLARS REWARD.

STRAYED or STOLEN, about the last of December, from my herd in Cedar valley, west of Camp Floyd, a seven year old sorrel stud HORSE, mane shaved, with a little white spot in forehead, branded (I in a circle) below left hip. Also a three-year old roan MARE, ears cropped, branded (C in a circle) on left shoulder.

Any person delivering said animals to Wm. Jennings, in G. S. L. City, or to the subscriber at Fairfield, near Camp Floyd, will receive the above reward.

48-2 JOHN HAGUE.

## CITY MARKET.

I have now opened a market in this city, on First South Street, where I will endeavor to keep for sale all articles in the

## MEAT AND PROVISION

Line, and by strict attention to business and accommodation to customers will endeavor to merit a share of public patronage.

WANTED: — Butter, Cheese, Eggs, Beeves, Sheep, Pork and Grain.

Cash paid for good Butter.

34th J. R. CLAWSON.

## REDUCTION OF TEN PER CENT. IN PROVO.

THE ENTERPRISE, GRAIN, PROVISION AND GENERAL TRADING STORE.

## BIRCH &amp; STUBBS

HAVE opened the above Store with a choice and well-selected Stock of MERCHANDISE, consisting of

## FANCY DRESS GOODS, CALICOES,

Domestics, Denims, Drillings, Woolen and Cotton Flannels, blankets, shawls, silk and cotton handkerchiefs,

## READY-MADE CLOTHING,

HATS, CAPS, SHIRTS, OVERSHIRTS, Drawers, Hose, and a good assortment of notions. Also, a large and splendid stock of

## GENTS' BOOTS &amp; SHOES,

Ladies' and Misses' Boots and Shoes; a good stock of GROCERIES, DYE STUFFS, COTTON YARN,

School Books, Stationery, &c., hardware, cutlery and tinware; whitewash, paint, blacking, horse and scrubbing Brushes; Saddles, bridles, and many other things too numerous to mention;—all of which we will sell as low as any other house in the Territory for Cash, Grain, Stock, Butter, Eggs, &c., and will allow 10 per cent. on all purchases over five dollars paid in cash, and over one hundred dollars paid in grain, stock, &c.

Remember!—BIRCH & STUBBS, opposite the Carding Machine, Main Street, Provo city.

41st

## NEW GOODS! NEW GOODS!

## SIGN OF BIG



## HOOPER, ELDREDGE &amp; CO.

HAVE received and are NOW OPENING a magnificent Assortment of New, Fresh and

## BEAUTIFUL GOODS,

## CONSISTING IN PART OF

Ladies' and Gent's DRESS GOODS; staple and domestic Dry Goods, well selected, GROCERIES, Hardware and Queensware, Glass, Nails, paints, oils, varnish and putty.

## —ALSO—

## A Complete and Well-Selected Stock of

LADIES', GIRLS & INFANT BOOTEES AND SHOES;

GENTS' BOOTS, SHOES & GAITERS, HATS, &c. &c.

Dress Trimmings, Bonnet Ribbons, Hosiery, Gloves, and a full stock of notions, &c.

They are determined to SELL THEM

LOW FOR CASH OR READY PAY,

and will take pleasure in showing them. Please call and see us.

Remember the Sign of the BIG T. G. S. L. City, Oct. 1, 1860.

31-1st

## Dry Goods and Groceries

## NEW ARRIVALS FROM THE EAST, At Livingston, Bell &amp; Co's.

LIVINGSTON, BELL & CO. would respectfully tender thanks to their many friends, patrons for past favors, while they have again to announce the arrival, within a few days, of two trains of 60 wagons, loaded with a very large and superior selection of NEW GOODS.

## FURTHER REDUCTIONS IN PRICES

May be expected on many items independent of the supply or demand in market. We invite an early call to examine our stock.

A full assortment of citizen's as well as Suttler's goods kept at our store in Camp Floyd, where, as well as in Salt Lake City, Country Dealers can be supplied at wholesale, on liberal terms.

50 light Chicago wagons and several hundred head of superior work Oxen also for sale.

18-1st LIVINGSTON, BELL & CO.

## STAINES, NEEDHAM &amp; CO.

We, the undersigned, have received from the EASTERN STATES A CHOICE ASSORTMENT of

## DRY GOODS GROCERIES.

## A LARGE ASSORTMENT OF HARDWARE, PAINTS, OILS, GLASS,

Etc., Etc., Etc.

## STATIONERY, CROCKERY WARE

## FANCY NOTIONS

And in addition thereto having purchased the entire Stock of Messrs. HOCKADAY & BURR, we are prepared to TRADE for

Cash, Cattle, Wheat or Flour, ON REASONABLE TERMS!!!

27-1st STAINES, NEEDHAM & Co.

## CALL AT

## WALKER BROTHERS

FOR New and excellent qualities of CALICOES, Fine Dress Goods—summer, fall and winter styles; Shawls, Blankets, &c., &c., &c.

## Call at WALKER BROTHERS

For GOLD JEWELRY, comprising plain gold sets, mosaic, gold stone, fancy, lava, cameo, coral, onyx, pearl, stone and enamelled sets.

Ear knobs of every pattern, plain ear rings, lava and cameo ear rings, breast pins plain, filagree, stone and fancy sets.

Gold finger rings of every size, quality and price; Bracelets, plain, fancy, stone, and filagree; Gold fob and guard chains.

Gold lockets of every size.

Gents' bosom pins, Sleeve buttons.

Stud, gold pencils and pens.

Gold and silver watches.

&c. &c. &c.

## Call at WALKER BROTHERS

For BOOTS and SHOES, CLOTHING, HATS and CAPS, GROCERIES, notions, hardware, hosiery, stationery, cutlery, crinoline, &c.

## Call at WALKER BROTHERS,

East Temple street, G. S. L. City.

## Call at WALKER BROTHERS,

31st Main street, Fairfield, Camp Floyd.

## MRS. STENHOUSE.

begs leave to acquaint the Ladies of the Territory that she has on hand an assortment of LADIES' BONNETS of the latest Eastern Fashions; also of Children's Hats and Bloomers. Ladies own material made up to order; fine fancy trimmings, velvets, ribbons and flowers furnished. Plain and fancy head dresses of newest styles.

## LABOR SAVED.

Shirt front, collar and wrist bands stitched on Wheeler & Wilson's latest Improved Sewing Machine, from 25 cents per set and upwards. By the double lock stitch of this machine there is no possibility of its ripping.

First House west of Tabernacle.

31st

## NEW MACHINE SHOP.

JOHN G. PINDER respectfully informs the citizens of Utah county, that he has rented Messrs. Roberts & Sons' water power lathe and appurtenances, in Springville city; and is prepared turn, drill, and make to order all kinds of machinery.

All orders promptly and neatly executed.

20th

## WM. S. GODBE

KEEPS constantly on hand a choice Selection of DRUGS, MEDICINES and CHEMICALS of the best quality.

A full assortment of the Graefenburgh Family Remedies, the extraordinary efficacy of which has been so abundantly tested in this Territory.

A great variety of Patent Medicines, Fancy Soaps, Oils, Perfumeries, Combs, Brushes, &c., &c.

Indigo, Extract Logwood, Madder and other Dye Stuffs.

Nipple Glasses, Breast Pipes, Nursing Bottles, Syringes, Trusses, Shoulder Braces and Female Abdominal Supporters of the best styles.

Fresh Baled cultivated Hops.

Prescriptions carefully filled.

All kinds of grain taken in payment.

## BREWERY.

We can now offer the Public an article of

ALE AND BEER,

that will compare favorably with any in the world.

WM. S. GODBE,

5th One door south of Drug Store, East Temple Street