

needs renewal at definite periods. Hence we show that the needs of the body are tolerably uniform, while the effect of the supply is temporary, or that both the need and supply are intermittent.

During the repose of the night, the amount of vital action, as shown by the respiration and pulsation, is low and tolerably uniform, while under the influence of food it is high, and varies during the day extremely, but the general course is such that a large increase takes place after a meal, and a considerable decrease before the following meal. This increase, followed by decrease, being due to the action of food, proves that the influence is temporary, and that after a sufficient interval another supply of food is required. At the same time it must be allowed that the body is not entirely a passive agent subject to the controlling action of food, for no supply could prevent the vital actions subsiding at night or make them equal both by night and day.

There is a power inherent in the body which accepts or rejects food as to amount, as well as to quality, and which might at length act through the appetite, and refuse the kind supplied. Moreover, the wants of the body vary from many well known influences, and cause an increase or decrease in the vital actions which proceeds *pari passu* with the consumption of the transformed or stored up food in a degree proportionate to the cause, but such effects are often more rapid and transitory than that of food.

In reference to age, there can be no doubt that all the vital processes, including the action of foods, are greater and more rapid in early, and less and slower in later, than in mature life, and in both the former, a more frequent administration of food is necessary. In early life, moreover, there is the important function of growth which demands a large and more frequent supply of food, not only for daily wants, but to promote a due increase in the bulk of the structures of the body. I have also shown that the season of the year has also a decided influence over the vital actions, so that they are the greatest in the spring and the least at the end of the summer.

The action of climate is similar to that of season, and shows that the vital actions are greater in cold than in hot climates, and in the uplands than in close valleys.

The influence of exertion over vital changes is immediate and proportionate, while the subsidence with the rest is less rapid than the increase.

Experiments show that it is impossible that the amount of vital change proceeding in the body may be ten times greater in one state than in another, and it follows that a proportionate quantity of food will be required to sustain it.

Hotbeds of Crime.

There are scattered through this city probably no less than a hundred saloons, which are known to be habitually frequented by thieves, card-sharps, and desperadoes of the worst character. Most of the stabbing and shooting affrays which are brought under the notice of our local Courts take place in them, and nearly all the robberies perpetrated upon strangers are committed within their walls. The keepers of these vile dens are invariably in league with the ruffians who make them their headquarters, supplying them with liquor and aiding them in subduing their victims when they attempt resistance. Drugged drink is compounded, at a preconcerted signal, and given to the dupes who are too much on their guard to be swindled by card tricks, or dice-shaking, or the strap game; and when it has done its work the insensible form of the victim is dragged out on the sidewalk, whence the police bear it to the asphaltum beds of the City Hall.

It is surprising that such places are tolerated by the authorities. The police would willingly shut them up, because they are a constant source of trouble and danger to them, but the law ties their hands, and they are powerless. All they can do is to interfere when disturbances take place, and arrest those whom they find concerned in them. The keeper of the saloon plays the role of neutrality so admirably during the fights, and even so shrewdly pretends to be desirous of preserving the peace, that only

in rare instances does it happen that he is arrested. Yet undoubtedly in the majority of cases he is the chief criminal and the one deserving the heaviest punishment.

It should be within the power of the police judge to cancel the license and close the saloon of any man guilty of allowing bad characters to remain on his premises, or of affording them any encouragement. Besides this, the Judge should be enabled to similarly treat any place which is notoriously the scene of disturbances. Quite a large proportion of the lower-class saloons would be closed forever if these regulations were carried out, and certainly a diminution of crime would be one of the first results derived therefrom. These nests of robbers are a disgrace to the city, and every lawful means of extirpating them should be rigorously availed of.—*S. P. Chronicle.*

PRICE OF GOLD.

Corrected daily by DESERET NATIONAL BANK.
Bought at \$1.14: Selling at \$1.18.

Consumption, Scrofula, Etc.

HEGEMAN'S Genuine Cod Liver Oil. Our Cod Liver Oil is warranted pure Newfoundland Oil. It has stood the test of over twenty years' experience, and can be relied on in every particular. Manufactured by Hegeman & Co., Chemists and Druggists, NEW YORK, and sold by all Druggists.
For sale by Z. C. M. I. and all its branches. w5-1y

SAVINGS DEPARTMENT
DESERET NATIONAL BANK
RECEIVES DEPOSITS OF ONE DOLLAR and upwards.
Interest at EIGHT PER CENT. per annum, compounded semi-annually on the 1st of March and September.

WM. H. HOPPER, President.
H. S. ELDREDGE, Vice-President.
L. S. HILLS, Cashier.
s57 w29 6m

Z. C. M. I.
Produce Dep't

Wholesale and Retail Dealers in

GRAIN, FLOUR AND FEED

Foreign and Domestic

FRUITS, MALT, HOPS, SEEDS
BUTTER and EGGS,
SALT LAKE CITY, U. T.

H. B. CLAWSON, Sup't.

WANTED—First-Class Wheat, Barley, Oats, Dried Fruit, Butter and Eggs.
s74 w28ly

EMPIRE LIME-KILN

I SHALL have Lime to fill all orders after 21st of March to any part of City. The

BEST LIME IN THE COUNTY,
Both for Master and Workman.

See my Depot on Market Square.
ALL ORDERS TAKEN and PROMPTLY ATTENDED TO.

Thanks for past favors and beg for a share of public patronage.

Sold at the Kiln THREE BUSHELS FOR ONE DOLLAR.
w21-3m

GEO. R. JONES.

STRAUB MILL WORKS.

Portable Mills, stiff spindle, under-runners, cook-head upper runners, for Farm or Merchant Work. Superior Mill Stones of all sizes. Genuine Dutch Amber Rolling Cloths. Horse Powers. Corn-Shellers and Cleaners. Gearing, Shafting, Pulleys, Hangers, etc., all kinds of Mill Machinery and Miller's supplies. Send for Pamphlet.
ESTABLISHED 1844.
Straub Mill Co., Box 1430, Cincinnati, O.
BAKER & HAMILTON, Agents, San Francisco. w21-3m

ESTRAY NOTICE.

I HAVE in my possession the following Estray:
One light grey MARE, eight years old, branded d with half circle on top on left thigh and shoulder.
If not claimed and taken away by the 30th of August, 1873, will be sold at public sale at the Estray Pound, Provo City, on Saturday, the 30th of August, 1873, at 10 o'clock a.m.
J. T. ARROWSMITH,
Poundkeeper.
Provo City, August 19th, 1873. ds&wle

TO THE LIQUOR TRADE.

I TAKE this method of making myself known to the Liquor Trade in general in Utah. After several years' experience in the business I have learned what wines and liquors are most in demand, and which please the public best.

I get my wines and liquors direct from growers and manufacturers, so that the retailer who buys from me has no three or four profits to pay.

My California wines and brandies come from the best vineyards of California, and are made of choice and carefully selected grapes. They have been kept for several years and are now ready for the market, and I will sell at a less price than California wines were ever before sold in Utah.

I get my Whiskies direct from the distilleries in Kentucky and Ohio, so that I can sell them at Eastern wholesale rates, freight only added.

I DEFY ANY HOUSE IN UTAH.

1st, To sell better or purer wines and liquors.

2nd, To sell cheaper, or with less profit.

3rd, To please customers better or give more satisfaction.

I guarantee all liquors to be as I represent them. I am in company with no one. I am a whole team in myself. I have no profits to divide, no large dividends to make.

I have no other business but that of the liquor trade, and to that I give my whole attention.

I can supply the trade, however small or large the order may be, according to the amount of business or the means of my customers.

All dealers in the trade will do well to send for my terms and prices and compare them with those they are now paying.

Whenever you come to Salt Lake City please call at the California Wine Depot and sample my stock.

Every Liquor Dealer will do me a favor by sending me his address. Address.

A. M. SMITH,

Box 523. Salt Lake City. w18 3m



Mrs. M. J. CLAY
THE FAMOUS

Eye and Cancer Doctress,
WHO resides and has established her infirmary at the old 14th Ward Store, west of the Assembly Rooms, would inform the public that she intends continuing in this location during the next six months, and refers all who wish information regarding her skill to the following affidavits:

TERRITORY OF UTAH, s.s.
County of Salt Lake.
Mrs. Elizabeth H. Grundy, of Minersville, Beaver County, Utah, being duly sworn, says that prior to the 9th day of December, 1872, at which time she placed herself under the treatment of Mrs. M. J. Clay, doctress, in the city of Salt Lake, she had been afflicted with a granulation of the eye-lids, with films over the eye-balls to such an extent as to be unable to walk alone, read or sew; that within seven weeks after the commencement of such treatment, her sight was restored so as to enable her to both read and sew without trouble. E. H. GRUNDY.
{Seal} Subscribed and sworn to before me, this 9th day of May, A. D. 1873.
W. M. GILLESPIE,
Notary Public, Salt Lake County, U. T.

TERRITORY OF UTAH, s.s.
County of Salt Lake.
Isaac N. Turnbaugh, of Bonanza, Davis County, Utah, being sworn, deposes and says, that for ten years he has been afflicted with what is now called a spider cancer, on the thigh; that in the month of February, 1873, he placed himself under the treatment of Mrs. M. J. Clay, Doctress, in the city of Salt Lake, and that after her treatment of certain medicinal applications for the period of six weeks, a perfect cure was effected, the cancer and the roots thereof being completely removed, the cancer being nearly the size of a hen's egg at the time of its removal. ISAAC N. TURNBAUGH.
{Seal} Subscribed and sworn to before me, this 6th day of May, A. D. 1873.
W. M. GILLESPIE,
Notary Public, Salt Lake County, U. T.

TERRITORY OF UTAH, s.s.
County of Salt Lake.
Albina Beckstead, being duly sworn, deposes and says: For the past seven years she has been afflicted with blindness, the cause of it being the granulation of the lids, and felons over the balls of the eyes, to such an extent as only to observe a very strong sunlight, without the ability to read or sew. That on the 10th day of December last, I placed myself under the treatment of Mrs. M. J. Clay, Eye Doctress, in the city of Salt Lake, and that under her treatment this depent's sight was so fully restored on the 25th day of January following, that she has since been able to read common printed matter and do plain sewing.

ALBINA BECKSTEAD.
{Seal} Subscribed and sworn to before me, the 6th day of April, A. D. 1873.
W. M. GILLESPIE,
Notary Public, Salt Lake County, U. T.

TERRITORY OF UTAH, s.s.
County of Salt Lake.
Isaac Rodgers, being duly sworn, deposes

and says that he is a resident of Benjamin City, Utah County, said Territory; that he was blind for a period of one year, being afflicted with granulated eyelids and felon over the ball of the right eye; that he placed himself under the treatment of Mrs. M. J. Clay, eye doctress, in the city of Salt Lake, on the 3rd day of January last, and that within three months from that date he had entirely recovered his sight so as to easily read common printed matter.

ISAAC RODGERS.
{Seal} Subscribed and sworn to before me, this 14th day of April, A. D. 1873.
W. M. GILLESPIE,
Notary Public.

TERRITORY OF UTAH, s.s.
County of Salt Lake.
Mrs. Maria L. Nebeker, of Salt Lake City, Utah, being sworn, says that she has been afflicted with a total blindness, resulting from an inflammation in, and nervous affection of the eyes. That she placed herself under the treatment of Mrs. M. J. Clay, Doctress, in Salt Lake City, and that three weeks thereafter, under and as the result of such treatment, her sight was restored so as to enable her to read the smallest print. MARIA L. NEBEKER.
{Seal} Subscribed and sworn to before me, this 10th day of May, A. D. 1873.
W. M. GILLESPIE,
Notary Public, Salt Lake County, U. T.

TERRITORY OF UTAH, s.s.
County of Salt Lake.
Mrs. Elizabeth Ennis, of Draperville, Salt Lake County, Utah, being duly sworn, says, that prior to the 1st of November, 1872, for the period of nearly one year she was nearly entirely blind, unable to walk alone, from the granulation of the eye lids and films over the eye balls; that she placed herself under the treatment of Mrs. M. J. Clay, Doctress, Salt Lake City, Utah, on the foregoing mentioned date, and that within two months thereafter her eyesight was so fully restored as to enable her since to walk alone, and readily read and write.

ELIZABETH ENNIS.
{Seal} Subscribed and sworn to before me, this 9th day of May, A. D. 1873.
W. M. GILLESPIE,
Notary Public.

TERRITORY OF UTAH, s.s.
County of Salt Lake.
Mrs. Fanny Thatcher, being duly sworn, on her oath says she resides in Salt Lake City; that for eighteen months previous to Sept. 1st, 1872, she had been suffering from granulated lids and a felon over the ball of one eye, so that during that period affiant was unable to use her eyes, and could hardly see. Affiant's eyes were pronounced by the doctors whom she consulted, incurable; that about Sept. 1st, 1872, affiant commenced treatment under Mrs. M. J. Clay, doctress, and continued the same with great relief to affiant for eight weeks. In the course of three months affiant's eyesight was so fully restored as to enable her to read coarse print, and her eyes have been continuously gaining strength, and she is now able to read fine print. Affiant has, since Sept. 1st, 1872, been following Mrs. Clay's directions in the treatment of her eyes.

MRS. FANNY THATCHER.
{Seal} Subscribed and sworn to before me, April 23rd, A. D. 1873.
W. W. WOODS,
Notary Public.

TERRITORY OF UTAH, s.s.
County of Salt Lake.
Miss Sarah Sager, being duly sworn, on her oath says that she resides in Salt Lake City; that for about five years she was afflicted with a cancer upon her tongue; that about Oct. 1st, 1872, she placed herself under the treatment of Mrs. M. J. Clay, Doctress, of Salt Lake City, and that in the course of about four weeks from that time, under the effect of the medicine administered, the cancer was removed, and in the course of another month affiant's tongue was entirely well.

MISS SARAH SAGERS.
{Seal} Subscribed and sworn to before me, April 23rd, A. D. 1873.
W. W. WOODS,
Notary Public.

TERRITORY OF UTAH, s.s.
County of Salt Lake.
Miss Sarah Sager, being duly sworn, on her oath says that she resides in Salt Lake City; that for about five years she was afflicted with a cancer upon her tongue; that about Oct. 1st, 1872, she placed herself under the treatment of Mrs. M. J. Clay, Doctress, of Salt Lake City, and that in the course of about four weeks from that time, under the effect of the medicine administered, the cancer was removed, and in the course of another month affiant's tongue was entirely well.

MISS SARAH SAGERS.
{Seal} Subscribed and sworn to before me, April 23rd, A. D. 1873.
W. W. WOODS,
Notary Public.

TERRITORY OF UTAH, s.s.
County of Salt Lake.
Miss Sarah Sager, being duly sworn, on her oath says that she resides in Salt Lake City; that for about five years she was afflicted with a cancer upon her tongue; that about Oct. 1st, 1872, she placed herself under the treatment of Mrs. M. J. Clay, Doctress, of Salt Lake City, and that in the course of about four weeks from that time, under the effect of the medicine administered, the cancer was removed, and in the course of another month affiant's tongue was entirely well.

MISS SARAH SAGERS.
{Seal} Subscribed and sworn to before me, April 23rd, A. D. 1873.
W. W. WOODS,
Notary Public.

TERRITORY OF UTAH, s.s.
County of Salt Lake.
Miss Sarah Sager, being duly sworn, on her oath says that she resides in Salt Lake City; that for about five years she was afflicted with a cancer upon her tongue; that about Oct. 1st, 1872, she placed herself under the treatment of Mrs. M. J. Clay, Doctress, of Salt Lake City, and that in the course of about four weeks from that time, under the effect of the medicine administered, the cancer was removed, and in the course of another month affiant's tongue was entirely well.

MISS SARAH SAGERS.
{Seal} Subscribed and sworn to before me, April 23rd, A. D. 1873.
W. W. WOODS,
Notary Public.

TERRITORY OF UTAH, s.s.
County of Salt Lake.
Miss Sarah Sager, being duly sworn, on her oath says that she resides in Salt Lake City; that for about five years she was afflicted with a cancer upon her tongue; that about Oct. 1st, 1872, she placed herself under the treatment of Mrs. M. J. Clay, Doctress, of Salt Lake City, and that in the course of about four weeks from that time, under the effect of the medicine administered, the cancer was removed, and in the course of another month affiant's tongue was entirely well.

MISS SARAH SAGERS.
{Seal} Subscribed and sworn to before me, April 23rd, A. D. 1873.
W. W. WOODS,
Notary Public.

TERRITORY OF UTAH, s.s.
County of Salt Lake.
Miss Sarah Sager, being duly sworn, on her oath says that she resides in Salt Lake City; that for about five years she was afflicted with a cancer upon her tongue; that about Oct. 1st, 1872, she placed herself under the treatment of Mrs. M. J. Clay, Doctress, of Salt Lake City, and that in the course of about four weeks from that time, under the effect of the medicine administered, the cancer was removed, and in the course of another month affiant's tongue was entirely well.

MISS SARAH SAGERS.
{Seal} Subscribed and sworn to before me, April 23rd, A. D. 1873.
W. W. WOODS,
Notary Public.

TERRITORY OF UTAH, s.s.
County of Salt Lake.
Miss Sarah Sager, being duly sworn, on her oath says that she resides in Salt Lake City; that for about five years she was afflicted with a cancer upon her tongue; that about Oct. 1st, 1872, she placed herself under the treatment of Mrs. M. J. Clay, Doctress, of Salt Lake City, and that in the course of about four weeks from that time, under the effect of the medicine administered, the cancer was removed, and in the course of another month affiant's tongue was entirely well.

MISS SARAH SAGERS.
{Seal} Subscribed and sworn to before me, April 23rd, A. D. 1873.
W. W. WOODS,
Notary Public.

TERRITORY OF UTAH, s.s.
County of Salt Lake.
Miss Sarah Sager, being duly sworn, on her oath says that she resides in Salt Lake City; that for about five years she was afflicted with a cancer upon her tongue; that about Oct. 1st, 1872, she placed herself under the treatment of Mrs. M. J. Clay, Doctress, of Salt Lake City, and that in the course of about four weeks from that time, under the effect of the medicine administered, the cancer was removed, and in the course of another month affiant's tongue was entirely well.

MISS SARAH SAGERS.
{Seal} Subscribed and sworn to before me, April 23rd, A. D. 1873.
W. W. WOODS,
Notary Public.

TERRITORY OF UTAH, s.s.
County of Salt Lake.
Miss Sarah Sager, being duly sworn, on her oath says that she resides in Salt Lake City; that for about five years she was afflicted with a cancer upon her tongue; that about Oct. 1st, 1872, she placed herself under the treatment of Mrs. M. J. Clay, Doctress, of Salt Lake City, and that in the course of about four weeks from that time, under the effect of the medicine administered, the cancer was removed, and in the course of another month affiant's tongue was entirely well.

MISS SARAH SAGERS.
{Seal} Subscribed and sworn to before me, April 23rd, A. D. 1873.
W. W. WOODS,
Notary Public.

TERRITORY OF UTAH, s.s.
County of Salt Lake.
Miss Sarah Sager, being duly sworn, on her oath says that she resides in Salt Lake City; that for about five years she was afflicted with a cancer upon her tongue; that about Oct. 1st, 1872, she placed herself under the treatment of Mrs. M. J. Clay, Doctress, of Salt Lake City, and that in the course of about four weeks from that time, under the effect of the medicine administered, the cancer was removed, and in the course of another month affiant's tongue was entirely well.

MISS SARAH SAGERS.
{Seal} Subscribed and sworn to before me, April 23rd, A. D. 1873.
W. W. WOODS,
Notary Public.

TERRITORY OF UTAH, s.s.
County of Salt Lake.
Miss Sarah Sager, being duly sworn, on her oath says that she resides in Salt Lake City; that for about five years she was afflicted with a cancer upon her tongue; that about Oct. 1st, 1872, she placed herself under the treatment of Mrs. M. J. Clay, Doctress, of Salt Lake City, and that in the course of about four weeks from that time, under the effect of the medicine administered, the cancer was removed, and in the course of another month affiant's tongue was entirely well.

MISS SARAH SAGERS.
{Seal} Subscribed and sworn to before me, April 23rd, A. D. 1873.
W. W. WOODS,
Notary Public.

TERRITORY OF UTAH, s.s.
County of Salt Lake.
Miss Sarah Sager, being duly sworn, on her oath says that she resides in Salt Lake City; that for about five years she was afflicted with a cancer upon her tongue; that about Oct. 1st, 1872, she placed herself under the treatment of Mrs. M. J. Clay, Doctress, of Salt Lake City, and that in the course of about four weeks from that time, under the effect of the medicine administered, the cancer was removed, and in the course of another month affiant's tongue was entirely well.

MISS SARAH SAGERS.
{Seal} Subscribed and sworn to before me, April 23rd, A. D. 1873.
W. W. WOODS,
Notary Public.

TERRITORY OF UTAH, s.s.
County of Salt Lake.
Miss Sarah Sager, being duly sworn, on her oath says that she resides in Salt Lake City; that for about five years she was afflicted with a cancer upon her tongue; that about Oct. 1st, 1872, she placed herself under the treatment of Mrs. M. J. Clay, Doctress, of Salt Lake City, and that in the course of about four weeks from that time, under the effect of the medicine administered, the cancer was removed, and in the course of another month affiant's tongue was entirely well.

MISS SARAH SAGERS.
{Seal} Subscribed and sworn to before me, April 23rd, A. D. 1873.
W. W. WOODS,
Notary Public.

TERRITORY OF UTAH, s.s.
County of Salt Lake.
Miss Sarah Sager, being duly sworn, on her oath says that she resides in Salt Lake City; that for about five years she was afflicted with a cancer upon her tongue; that about Oct. 1st, 1872, she placed herself under the treatment of Mrs. M. J. Clay, Doctress, of Salt Lake City, and that in the course of about four weeks from that time, under the effect of the medicine administered, the cancer was removed, and in the course of another month affiant's tongue was entirely well.

MISS SARAH SAGERS.
{Seal} Subscribed and sworn to before me, April 23rd, A. D. 1873.
W. W. WOODS,
Notary Public.

MERWIN, HULBERT & CO.,
Manufacturers, Importers and Jobbers of

Guns, Rifles, Revolvers,
Fishing Tackle and Sportsmen's Goods.

Breech-loading Shot Guns and Rifles of all kinds.

Manufacturers of the well-known X. L. Cartridge Revolving Derringers and Pistols and Blue Jacket Revolvers.

Sole Agents of Phoenix Cartridge Co's Metallic Cartridges of all sizes.

American Fish Hook Co's Hooks and Tackle, etc., etc.

A full assortment of our goods are kept constantly on hand by Zion's Co-operative Mercantile Institution, Salt Lake City and all its branches.

Orders by mail receive special attention.
MERWIN, HULBERT & CO.,
w5-1y 83 Chambers St., NEW YORK.

OVER 15,000,000
Square Feet now in Use

ASBESTOS ROOFING

FIRST PREMIUM MEDAL AWARDED in 1870, and endorsed by certificate from the American Institute in 1871 and 1872

as "THE BEST ARTICLE IN THE MARKET."

THE "ASBESTOS ROOFING" is a substantial and reliable material, which can be safely used in place of Tin, Slate, etc., on steep or flat roofs, in all climates, and can be easily and cheaply transported and applied.

Asbestos Roof Coating
For restoring old roofs. Also, manufacturer of ASBESTOS BOILER FELLING, Roofing and Sheathing Felts, Paints, etc., and dealer in "Asbestos Asphaltum," etc., Asbestos Board, Paper, etc.

Send for Descriptive Pamphlet. Price Lists, Terms to Dealers, etc.
{Established} H. W. JOHNS,
{in 1858.} 87 Maiden Lane,
Cor. Gold St., NEW YORK.

For sale by Z. C. M. I. and all its Branch stores. d81 low 6m w5 6m

C. C. WALLIN & CO.

MANUFACTURERS OF

HARNESS & SADDLES

DEALERS IN

Saddlery, Hardware, Leather,

AND

COLLARS

2nd South St., West of WALKER BROS., SALT LAKE CITY.
w10 6m

The HOWE

SEWING MACHINE,
As perfected by

ELIAS HOWE JR.,
Inventor of the Sewing Machine

Best in the World.

THE HOWE

Sewing Machine

COMBINES

BEAUTY AND EXCELLENCE OF STITCH!

STRENGTH, FIRMNESS AND DURABILITY OF SEAM!

ECONOMY OF THREAD!

ATTACHMENTS AND WIDE RANGE OF APPLICATION TO PURPOSES AND MATERIALS!

The above qualities of the Machine make it the

GRANDEST TRIUMPH

OF

Inventive Genius.

This is an HONEST Machine and is not subject to FITS.

POINTS OF SUPERIORITY:
Simplicity and Perfection of Mechanism. Durability—will last a lifetime. Range of work—without parallel. Perfection of Stitch and Tension. Ease of Operation and Management. Self-Adjusting Take-up. Adjustable Head.