

## Over-Work Weakens Your Kidneys.

Unhealthy Kidneys Make Impure Blood.

All the blood in your body passes through your kidneys once every three minutes. The kidneys are your blood purifiers. They filter out the waste or impurities in the blood. If they are sick or out of order, they fail to do their work. Pains, aches and rheumatism come from excess of uric acid in the blood, due to neglected kidney trouble.

Kidney trouble causes quick or unsteady heart beats, and makes one feel as though they had heart trouble, because the heart is over-working in pumping thick, kidney-poisoned blood through veins and arteries.

It used to be considered that only urinary troubles were to be traced to the kidneys, but now modern science proves that nearly all constitutional diseases have their beginning in kidney trouble.

If you are sick you can make no mistake by first doctoring your kidneys. The mild and extraordinary effect of Dr. Kilmer's Swamp-Root, the great kidney remedy is soon realized. It stands the highest for its wonderful cures of the most distressing cases and is sold on its merits by all druggists in fifty-cent and one-dollar tins.

You may have a sample bottle by mail. Home of Swamp-Root, free, also pamphlet telling you how to find out if you have kidney or bladder trouble. Mention this paper when writing Dr. Kilmer & Co., Binghamton, N. Y.

**Choking Your Wick**

You are clogging up its fine pores, spoiling the flame every time you use it. Don't blame the lamp for the results. A poor oil makes a poor light. When you're tired of poor lights, and want a rich, brilliant white light, get

**Homelight Oil**

The finest oil that the best refineries of the land can make; and it's not only made pure, it's delivered pure. Ask your dealer about it.

STANDARD OIL COMPANY.

**POWER**

The Brattleboro Gas and Electric Company

Furnish Electric Power

In any quantity from one-eighth horse power upward, at a reasonable price. The great advantage of Electric power over any other are

SAFETY, READINESS for full use at the turn of the button, and ECONOMY.

No lying awake nights fearing that the boiler may burst, or from fear of fire. No waste of time waiting for steam to be up, or for the forgotten coal bin to be filled. All the space taken up by boiler, engine, coal bin, etc., saved, as the motor can be placed on a shelf in a very small space. Once used never given up.

Full particulars at our office, No. 11 Crosby Block.

C. F. THOMPSON, Treas.

**Does It Pay TO BUY CHEAP CLOTHES?**

IF YOU WANT A GOOD Dress Suit, Business Suit

Overcoats or Trousers

Call in and look over the new goods and I will do my best to please you.

**I Have a Large Stock of Fine Woollens**

To choose from and make all goods up in the latest style, well cut, well trimmed and well made at reasonable prices.

**W. H. HAIGH, Custom Tailor, Elliot St.**

**S. W. EDGETT & CO.**

Sell farms and village property. Exchanges made. Loans Negotiated. Some good business chances.

**JOHN DUNLEAVY, Custom Tailor.**

Cleaning, repairing and pressing done to order. Rhythm building. Upon light.

**Brattleboro Custom Laundry, 54 Elliot St.**

Goods called for and delivered.

## BY LAND AND WATER.

A Study of the Industrial Conditions of the Central West.

**A Glimpse at the History of Copper Mining in this Country.**—What the First White Men did in the Lake Superior Mining Scientific Investigations—Wild Cat Speculations—What a Load-up of Whiskey Had to do with the Discovery and Development of the Famous Calumet & Hecla Mines—Interesting figures.

(Special correspondence of The Phoenix.)

When the first white men came to the southern shore of Lake Superior, which has since become famous as the copper producing center of the world, they found the native Indians possessed of large boulders of mass copper which they held sacred and worshipped as a strong and dangerous Manitou that was possessed of a bad temper, consequently of all respect, but not a desirable friend at close range. It was 100 years later, after the British had gained possession of all the territory formerly claimed by the French king, that a company was formed in London to work the copper mines south of Lake Superior. This effort proved abortive, owing to the unexpected outlay attending the operations and the war with the American colonies.

Very little progress was made in the investigation of the copper mines of this country until 1840, when Dr. Houghton of Detroit, who subsequently became identified with the development of the upper peninsula, chopped several pieces of copper from the great copper boulder in Ontonagon, while traveling through that country with the Schoolcraft expedition.

Within the following two years much knowledge was obtained through the observations of scientific men who were sent to Ontonagon county to study the geological conditions and especially the possible copper indications, then confined to mass copper found on the surface. This party of observation made their report to President Tyler in 1842. The next step made was to get possession of the 50,000 square miles of land, embracing the whole upper peninsula of Michigan and the northern part of Wisconsin, belonging to the Chippewa tribe of Indians. This typical piece of diplomacy with the Indians was accomplished by David Henshaw, a Boston man, then secretary of war, with the aid of a few barrels of New England rum, a legal tender in treaty transactions, and reservations of land further west which the government did not own, also presents of brass neck chains and beads, with promises of future remuneration which were not intended to be redeemed. Mr. Henshaw was an enthusiast in the belief of the mineral wealth of the lands obtained from the Chippewas, and immediately induced his Boston friends to get possession of such townships as showed a mineral indication, meanwhile serving a liberal slice of the "pork" for himself.

Other investigations were made, and specimens of mass copper were circulated in all the financial centers, Boston being the most conspicuous. Visions of sudden wealth became the dream of that element of the people who are ever watching and waiting for something miraculous to "turn up." From the explorations of the next few years nothing tangible resulted in locating and forming companies until 1845, when the era of "wild cat" speculation was inaugurated which ended in a general collapse in 1850, as briefly noticed in my last letter in discussing the folly of whole communities launching their small capital on the turgid sea of copper stock investments. The writer has no motive to underrate or disparage the development of the copper industry of Michigan, neither does he assume that all copper investments are based on deceptive and fraudulent representation. I trust my contention is understood with this explanation. The copper found in the mines of Michigan is known as mass conglomerate and amygdaloid formation, the metal being pure in these conditions. The sulphurates and carbonates occur only near the surface where the elements have acted on the metal for ages, producing oxidation. The metal is called mass copper when it is found in concreted quantities, like boulders or large stones.

The largest specimen of mass or native copper ever found was obtained from the Minnesota mine in Ontonagon county in

1855. It weighed a trifle over 500 tons, and was found 300 feet below the surface. The services of 40 men were required six months to cut it in enough to be hoisted to the surface and transported East. When you go to Washington, D. C., of course you will visit the Smithsonian Institution, where you may see a pebble of copper from Ontonagon weighing 4000 pounds.

Conglomerate, in mineralogy, means several substances held together by agglutination. For example: Fill a kettle with pebbles and small pieces of lime and slate or other hard substances, then pour into the kettle melted copper until the interstices between the minerals are filled with the liquid copper, and you have conglomerate as the term is used in mining. I have seen a scrap of mass copper weighing more than 30 pounds, as it came up the shaft at the Calumet & Hecla mine, showing by the fibrous edges how it enclosed small pebbles or other hard substances before removal from the mine. When copper is found in small boulders (amygdaloid) distributed through the basaltic, porous lava, or in thin sheets in the crevices, it is called amygdaloid formation, and these conditions obtain in nearly all the mines now being exploited in Houghton county.

The total amount of copper produced by all the Michigan mines from 1843 to 1899 was 27,820 tons; and when we remember there were 116 chartered companies in operation 16 years, one cannot wonder at the immense losses sustained by the stockholders.

In the year of 1865 an eccentric character by the name of William Royal kept a "road house" about half way between Houghton and Eagle River, his log shanty standing on nearly the same land where the Calumet hotel is now located. He was a "refresher" for men and beast, though a beast would probably not partake of the variety served to his human customers. Among his other possessions was a small drove of hogs that were allowed to forage in the woods for such nutriment as they might find on or below the surface of the ground. Not having seen his pigs for several days he started out to locate them and found them burrowed in a heap of fallen leaves under the shelter of a peculiar mass of reddish rock, mottled with green spots. Telling his companions of his find, they all concluded the first thing to do was to load up on the landlady's whiskey; but before they had gotten over the acute excitement of the celebration an interested party, having overheard the cause of the hilarity, proceeded to file a claim to all the land within a mile of the exuberant William and his sleeping pigs.

This is the history of the discovery of the great Calumet & Hecla copper mine. Moral: When you have the opportunity to control the world with a specialty, keep sober.

## NEW HAMPSHIRE NOTES.

Beryl-Emerald Diamond Field.

Company with \$250,000 Capital Has Had an Expert from Kimberley Examine a Tract on Which Operations Will Be Begun Soon.

It is very possible that when spring opens Sullivan county may experience a mining boom of considerable size. Mining parties are trying to keep matters secret, but the fact has leaked out that a rich beryl-emerald diamond field has been found on a mica and garnet tract in the edge of Springfield, and about two miles and a half from the Boston & Maine depot in Grafton.

Last fall the Sullivan County Mica mining company was incorporated and by many it was supposed that it was by people interested in working the mica field between Claremont and Newport. It was capitalized at \$250,000. Now it is discovered that this company owns the field in Springfield, and is quietly making preparations for working it. James F. Cavanaugh of 105 Beverly street, Boston, is the vice president.

An expert from the diamond mines of Kimberly, South Africa, explored the tract last fall and pointed out its richness. But before that its value was known to a few, for N. L. Wilson of 170 Tremont street, Boston, a mineralogical expert and specialist, had examined it and made deposition to the fact that he had discovered in the tract the very precious stone known as beryl-emerald, or aqua-marine.

Several fine aqua-marines from this field have already found their way to market, and have been cut and set for their lucky owners. To give some idea of the value of the field, the perfect quality of these beryl-emerald stones are worth from \$5 to \$10 a diamond karat, or \$7200 a pound. Beryl has long been found in this country. In Acworth is Beryl mountain which has yielded some of the finest specimens now shown in collections. At one time an organized effort was made to work the deposit, but for many years nothing has been done. Mica crops out freely throughout the section, and is worked with profit in towns like Claremont and Belvidere. The ledges in Claremont are believed to be well worth working, and only await the time when capital shall become sufficiently interested. The field in Springfield is of special interest from the peculiar value of the find, and may yet prove the most valuable of all.—Claremont Advocate.

**Almost a Tragedy at Keene.** Mrs. Fred Leonard was barely saved from a horrible death at the C. B. Lancaster company's shoe factory in Keene, Thursday afternoon by the prompt action of Machinist Hartz and others. By the accidental ignition of inflammable cement her clothing caught fire, and she would soon have been burned to death had she not been wrapped in a heavy cloak and the flames smothered. She was burned on the face and one leg, and the hair was singed from the front of her head. The 125 women employees of the stitching room, where the accident occurred, became panic stricken and many went down the stairs, escaped, others fainted, and one jumped and one fell from third story windows to the roof of the two-story factory addition below, the latter not sustaining serious injuries, however. The fire was quickly extinguished by the emergency buckets. The building is equipped with automatic sprinklers.

**Suicide of a Former Keene Man in the Asylum at Concord.** Frank L. Taintor, 62, committed suicide by drowning in the laundry in the New Hampshire asylum for the insane at Concord, one day last week. He had been an inmate of the institution 20 years. Mr. Taintor's wife was a daughter of the late Gen. James Wilson, a noted campaign orator and congressman who was a resident of Keene. Taintor was arrested for embezzlement of \$50,000 from the Pacific bank in New York city of which he was cashier. Speculation caused his downfall but there were extenuating circumstances in the case and he had the sympathy of many people in Keene, which was his native place.

**Girl Burned to Death.** Hazel, 8, daughter of Mr. and Mrs. Henry D. Sullivan of 92 Gileston street, Keene, was fatally burned at her home Saturday forenoon. The child had been left in the house alone in charge of younger children, and was fixing the wood fire in an old and rickety stove when her light cotton gowns caught fire, and before she could come she was frightfully burned. The victim ran screaming to the door and the neighbors ran to her rescue, pulling off the burning clothing, instead of wrapping her in some heavy woollen article. The sufferer was removed as soon as possible in the ambulance to Elliot city hospital where she died in the afternoon.

A Charlestown correspondent writes that the Diamond Match company has leased the tract of land owned by the electric railroad company on the east side of the track near the premises of Mr. Eaton on the Springfield road. They will erect a plant for preparing the black sulphur which is a stage of the manufacture are saved into the properly shaped matches of commerce. The match company has bought several large tracts of timber lands in Charlestown and vicinity.

The golden wedding anniversary of Mr. and Mrs. Darling S. Swan of Winchester was celebrated by a genuine surprise party on Wednesday evening, when 50 friends called upon them unceremoniously. Short speeches were made by Granville Wardwell and Rev. C. F. Roper, with a response by Mr. Swan. Mrs. Levi Saben recited some verses. Mr. Sprague was read from Obadiah 21. Mr. Swan, who was unable to be present, there were many gifts of gold, silver and other articles of value. Refreshments were served, and the occasion was all the more enjoyable for being informal. D. S. Swan and Angeline Sprague were married in Richmond, N. H., Jan. 3, 1850, by Rev. T. J. Humphrey. They have been residents of Winchester for 45 years. Mr. Swan was deputy sheriff for about 20 years, and has always been interested in everything pertaining to the welfare and progress of the town. Both he and his good wife are still prominent in the social life of the village.

**The Outlook for 1900.** From the literary point of view, the leading feature of the January magazine number of The Outlook is the first installment of Mr. Hamilton W. Mabie's "William Shakespeare: Poet, Dramatist, and Man." In this series of articles, which will extend throughout the year in the monthly magazine numbers, Mr. Mabie will offer not a formal biography, but an attempt to realize the poet and dramatist as a great Englishman, to approach him through the atmosphere of his own age, to set him distinctly in his own time, to bring about his brilliant contemporaries, and to exhibit him as a typical man in a great epoch. The first installment deals with "The Fore-runners of Shakespeare," and is illustrated with portraits, curious representations of the ancient street pageants, miracle plays, and dumb shows.

The Outlook will begin at once the publication of a series of addresses recently delivered at Cooper Institute, New York, by the Rev. Lyman Abbott, under the general title, "Christ's Law of Life." Later on Dr. Abbott will contribute seven articles on "The Bible in the Light of Modern Literary Study." During 1899 Dr. Abbott's sermons and addresses will be published exclusively in The Outlook.

There is no other medium through which we may so surely keep in intelligent touch with all the leading affairs of the day as through the weekly editorial review of The Outlook. (\$3 a year. The Outlook Company, New York.)

**Against Senator Quay.** The Senate committee on privilege and elections decided Friday by a vote of 4 to 3 to make an adverse report upon the resolution to seat Senator Quay. The members of the committee voting for the resolution were Senators Chandler, Hoar, and McComas (Republicans), and those opposing were Senators Burrows (Republican), Caffery, and Harris (Democrats). Senators Turley and Fritchard were paired, the latter for and the former against the resolution.

## ANGEL CHILDREN.

Is there any happier woman in this world than that mother whose each successive little one seems to her but one more darling angel to continually lift her thoughts toward the sunshine of perfect happiness? But sorry is the lot of that poor mother to whom motherhood has ceased to be a cause of rejoicing, but has become a burden to be dreaded and looked forward to with melancholy and apprehension.

About three months before our last baby was born (which is our fourth), writes Mrs. Nellie Carl of Myrtlepoint, Coos Co., Oregon, "my health was very poor. I had been troubled for about eight years with female disease. I doctored with good physicians but obtained no relief. I read the World's Dispensary Medical Association, and was advised to take Dr. Pierce's Favorite Prescription and 'Golden Medical Discovery.' I did so, and am happy to say my health began to improve and I did my work up to the last, and felt splendid. I got along finely during confinement, and the healthiest baby I ever saw. When he was three months old he weighed eighteen pounds; he is now seven months old and weighs twenty-four pounds. I can say I have had no return of my old troubles. I thank you very much for the good you have done me."

Any woman may write to Dr. R. V. Pierce, of Buffalo, N. Y., a statement of her case, which will be considered in absolute confidence by this physician who stands among the foremost specialists of the century in the treatment of women's diseases. He will send her (in a plain, sealed envelope) sound, sensible, valuable advice free of all charge.

Dr. Pierce's great thousand-page, illustrated Common Sense Medical Adviser will be sent free, paper-bound, for 21 one-cent stamps, to pay the cost of mailing only, or cloth-bound for 31 stamps.

**ABSOLUTE SECURITY.**

Genuine Carter's Little Liver Pills.

Must Bear Signature of

See Fac-Simile Wrapper Below.

Very small and as easy to take as sugar.

FOR HEADACHE. FOR DIZZINESS. FOR BILIOUSNESS. FOR TORPID LIVER. FOR CONSTIPATION. FOR SALLOW SKIN. FOR THE COMPLEXION.

CURE SICK HEADACHE.

THAT'S WHAT YOU WANT

BIG MASTER SOAP.

BIGGEST 5¢ BAR BEST SOAP MADE.

Bicycle Repairing

In All Its Branches

Second-Hand Bicycles \$3.50 Up

Also Upholstering and Carpet Laying. Umbrellas repaired and repaired. Locksmithing and Key fitting at

J. B. DUNTON'S REPAIR SHOP, No. 1 Main St., Brattleboro, Vt.

Merchants' and Miners' Transportation Co.

STEAMSHIP LINES

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To NORFOLK, BALTIMORE, RICHMOND, WASHINGTON, SAVANNAH, and all points South and West. Tickets include meals and room on steamer. Six sailings each week.

For adv. matter, sailings, rates, tickets, etc., address

A. M. GRAHAM, Agent, Boston, Mass.

J. W. McCLURE, Agent, Providence, R.I.

C. W. WARE, T. M. W. TURNER, G. P. A. General Offices, Baltimore, Md.

Western Mortgages

Building, 40 Water St., Boston, Mass.

REFERENCES: J. N. Frye, 38 Pearl St., Boston, Mass.; Geo. C. Wright, 45 Battery March St., Boston, of Swinell, Wright & Co.

To Pacific Coast WITHOUT CHANGE

Low Rate

107 WASHINGTON ST., BOSTON.

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To Pacific Coast WITHOUT CHANGE

Low Rate

107 WASHINGTON ST., BOSTON.

## Railroads.

BOSTON & MAINE RAILROAD.

On and after Oct. 1, 1899, (basis on this road will leave Brattleboro for all points north at 11:10 a. m., 2:31, 5:48 and 10:10 p. m. The 11:10 a. m. train is mail train from Montpelier, St. Albans, Rutland, Burlington, Montreal and the Champlain route. The 5:48 p. m. train is mail train for White River Junction and Rutland. The 10:10 p. m. train is express for Montreal, Sherbrook and Quebec with sleeping cars attached. This train runs daily (Sundays to Montreal only). Going south trains arrive in Brattleboro from Bellows Falls and points north at 6:32 a. m. (night express) 9:10 a. m. (mail) 9:15 p. m. (mail) 4:05 p. m. (Montreal and New York day express). At 8:30 a. m. mixed train from Windsor. All trains make close connections with Boston and Albany road both east and west of Springfield.

D. J. FLANDERS, Gen'l Ticket Agent.

FITCHBURG RAILROAD.

Hoosac Tunnel Route.

Between BOSTON and ALBANY, NIAGARA FALLS, CHICAGO, ST. LOUIS, CINCINNATI.

And all points West.

Lake Champlain Route

BETWEEN BOSTON and Burlington, Vt., Montreal, Ottawa and all Canadian Points.

Palace, Sleeping, or Drawing Room Cars on all through trains.

For time tables or space in sleeping cars call on any ticket agent of the company, or address C. M. BURR, Gen. Pass. Agt., Boston, Mass.

CENTRAL VERMONT RAILWAY CO.

Southern Division.

Taking effect Oct. 25, 1899.

GOING SOUTH.

Trains leave Brattleboro as follows:

5:55 a. m. for Springfield and New York (Daily).

8:00 a. m. for Millers Falls, Palmer and New London. Connecting at Millers Falls with Fitchburg R. R. at Palmer with Boston & Albany R. R. at Willimantic and at New London with Y. N. H. & H. R. R.

9:10 a. m. for Springfield and New York.

10:30 a. m. for Millers Falls and points, on the Fitchburg R. R.

11:10 p. m. for Springfield and New York.

8:50 p. m. from New London, connecting from Palmer, Millers Falls and intermediate stations. Subject to change without notice. Trains run week days only except otherwise noted.

C. E. SOULE, Agent, New London, Conn.

S. W. CUMMINGS, G. P. A., St. Albans, Vt.

J. A. SOUTHWARD, D. P. A., New London.

GOING NORTH.

Trains arrive at Brattleboro as follows:

10:25 a. m. from New York via Norwich line and New Arrive.

11:05 a. m. from Springfield.

1:00 p. m. from Boston via Fitchburg R. R. and Millers Falls.

2:31, 5:48 and 10:15 p. m. from Springfield and New York. (Daily).

8:50 p. m. from New London, connecting from Palmer, Millers Falls and intermediate stations. Subject to change without notice. Trains run week days only except otherwise noted.

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Trains arrive at Brattleboro as follows:

10:25 a. m. from New York via Norwich line and New Arrive.

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We offer for investment loans secured by first mortgage on improved farms in North Dakota, Washington and Idaho netting 5 per cent and 5 1/2 per cent.

Twelve years' experience has proven the safety of these investments.

We shall be pleased to answer any enquiries in regard to them, also to secure your order.

VERMONT LOAN & TRUST CO., Brattleboro, Vt.

Low Telephone Rates

Brattleboro Exchange.

Only \$25.00 a year, six pairs metallic circuit, unlimited service for a telephone at your residence.

Can You Afford to Be Without It?

Manager will furnish all particulars.

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CARL F. CAIN, Custom Tailor, Dyeing, Cleaning, Repairing and Pressing.

Altering of ladies' and men's garments. 117 MAIN STREET.

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