

How to Warm Houses.

THE ARTIFICIAL CLIMATE IN OUR HOUSES—DESTRUCTIVE EFFECT UPON HEALTH—RADIATION FROM OPEN FIRES—HOT IRON SURFACES—THE ONLY REMEDY.

We make an artificial climate in our houses. We live indoors in an atmosphere heated by stoves, furnaces or steam pipes, to 70 or 80 degs.; and we pass from our parlor or hall into the open air. At a step, literally in a breath, the temperature of the air has, for us, dropped 50 to 70 degs. We may put on an extra coat or shawl, and shield the outside of the body and chest, but we cannot shield delicate linings and membranes of the air passages, the bronchial tubes and lung cells. Naked they receive the full force of the change—the last breath at 70 degs., the next at freezing or zero—and all unprepared. We have been sitting perhaps for hours, in a tropical atmosphere; nay, worse, in an atmosphere deprived by hot iron furnaces of its ozone and natural refreshing and bracing qualities. Our lungs are all relaxed, debilitated, unstrung; and in this condition the cold air strikes them perhaps 60 degs. below what they are graduated to and prepared for. Is it strange that pneumonia and bronchitis are at hand?

If we were in the West Indies, or even in Florida, and wish to come north in winter, we try to make the change gradual. But in our houses we keep up a tropical climate, or worse, for the air is not fresh, and we step into an air as much colder as 40 degs. of latitude will make it. It is in effect going from Cuba to Iceland—or at least to New York—at a step, and we make the journey perhaps a dozen times a day. And often while we are shut up in our domiciliary Cuban climate, Iceland comes down upon us from an open window to replace air that has had its natural refreshing qualities quite cooked out of it by hot stoves, furnaces, or steam pipes. And all these sudden changes and shocks of cold come upon us while the whole system has its vitality and powers of resistance ganged down to the low necessities of a tropical climate.

The effect upon health is destructive. Pneumonia has increased nearly threefold in New York, in proportion to population, within the last fifty years. Bronchitis has increased even more rapidly, and now causes 1,500 deaths in that city every year, being an increase of nearly fivefold to the population in fifty years. What is the cause? We have a sufficient and very obvious cause in the fact that in our methods of heating our houses we have been "progressing backward." Fifty years ago there were few furnaces or close stoves, and no steam pipes for warming; houses were warmed by open fires. The difference is radical and of great importance.

It may be briefly explained thus: Radiant heat from the sun or from an open fire passes through the air (so far that it is pure air) without warming it—that is to say, without being obstructed or retained by it (just as light does), and only warms the pavement, floors, walls or other opaque body by which it falls. Thence in a sunny day the pavement will be a 100 degree while the air above it is only 50 degree. The air that touches the iron bars or surface of the fire in an open grate goes to feed the fire and then is drawn up the chimney. Only pure, radiant heat is thrown into the room, not hot air, and it does not heat the air at all directly, but warms our bodies, walls, furniture, etc., and the air is heated from them. When stove, furnace, steam pipes and hot water pipes are used the air is heated directly and in turns warms the objects with which it comes in contact, the process being exactly the reversed of the other.

By radiation from open fires the air is the coolest thing in the room; by the air heating method it is the hottest. By open fires the lungs get less heat than any other part of us, and so, are braced and strengthened; by the hot air process they get more heat than any other part, because the hottest air arises uppermost above the head, and so is inhaled, making the lungs tender and sensitive to cold on our going out.

We want to warm our bodies, not the air. Cool air is denser, contains more oxygen and warms the blood more than hot air, besides refreshing and strengthening the lungs and bracing them against injury on going out. We want air with the normal amount of ozone. We got it all destroyed by the hot iron surface.

The only remedy for all these mischievous conditions and effects is entirely to abandon the plan of applying the heat to the air of making the air the carrier of the heat. Heat wants no carrier any more than light. Put your fire in proper position; take away the iron and brick castings that inclose it and obstruct its natural movements, and, quicker than you can think, the heat will be flashed all over your room; darting out in straight lines in every direction from the surface of the fire—down, up and horizontally; and this without expense for pipes and hot air ducts. If one grate is not enough put another on the opposite side of the room. Coals are cheaper than coffins. An almost perfect arrangement for warming a room would be an open fire, and the entire surface of the walls and ceiling formed of a reflecting

material. The least possible fire would warm us, because the heat would be kept alive, radiant; being reflected constantly from side to side, and up to ceiling and back as quickly as lighting flames, and so, impinging on the body on all sides, would give it a lively, glowing warmth, while the air might be at almost any lower temperature. It would be like having a fire on every side of the room.—Popular Science Monthly.

ADAMSON'S BOTANIC COUGH BALSAM. SAFE. SURE. PROMPT. 25c.

A WONDERFUL REMEDY. Adamson's Botanic Cough Balsam. It is as pleasant as honey. Coughs, Colds, and Asthma, which lead to Consumption, have been speedily cured by the use of ADAMSON'S BALSAM after all other medicines have failed.

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C. C. CARLTON, AUCTIONEER, Commission Merchant, SOURIS, P. E. I. Oct. 3, 1887.

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The Union Medicine Co., Proprietors, TORONTO, CAN. WM. R. WATSON, Wholesale Agent, Charlottetown, P. E. I. Sept. 27, 1887—eod & wky

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H. W. VINNICOMBE, Instructor of the Violin, formerly of the Exeter Gratorio and Philharmonic Orchestra, pupil of John Itard, R. A., England. Tuition given on the instrument individually—not in class. Danclous' conservatory method used. Age preferred—twelve to sixteen years. There is an Orchestral Class in connection for those that are sufficiently advanced, free of charge. For particulars apply to H. W. Vinnicombe, Fitzroy Street, near St. James' Church. Orders for piano tuning left at C. P. Fletcher's, will be attended to promptly. N. B.—I have two fine old Violins for Sale. August 20, 1887.

COAL. COAL. Arriving Daily from Sydney: Caragoes Old Sydney Mine, Victoria Mine, Reserve Mine. From Pitou: ACADIA NUT, ACADIA ROUND, INTERCOLONIAL NUT, ROUND, OLD ALBION SMALL, (for Smith's use). Also—a large quantity of SLACK COAL, suitable for house use. All of which will be sold at the Lowest Market Rates.

C. LYONS. ACADIA COAL DEPOT, Peake's No. 2 Wharf. NOTICE. THE Subscriber, thankful for the patronage extended to her late husband, G. W. Miller, wishes to inform the public that the Tin and Gas-fitting business will be continued in the old stand as formerly. AMANDA M. MILLNER. Ch'town, Nov. 8, 1887—eod

JACK FROST is coming, and if you want the VERY BEST COAL, GO TO McMILLAN'S, where you can get what you want at the Right Price. Our Coal Trade is fast increasing, without Government assistance, which is a guarantee that we give our customers what they want. A cargo of Anthracite landing to-day. Telephone communication. Orders left at Central Office will be sent free of charge. R. McMILLAN, Foot of Prince Street. t. 15, 1887—eod wky 3mos

WHAT AILS YOU? Do you feel dull, languid, low-spirited, lifeless, and indifferently miserable, both physically and mentally; experience a sense of fullness or bloating after eating, or "gonesse," or emptiness of stomach in the morning, tongue coated, bitter or bad taste in mouth, irregular appetite, dizziness, frequent headaches, blurred eyesight, "floating specks" before the eyes, nervous prostration or exhaustion, irritability of temper, hot flushes, alternating with chilly sensations, sharp, biting, transient pains here and there, cold feet, drowsiness after meals, wakefulness, or distressing dreams, or indigestion, the more complicated your disease has become, the greater the number and diversity of symptoms. No matter what stage it has reached, Dr. Pierce's Golden Medical Discovery will subdue it, if taken according to directions for a reasonable length of time. If not cured, complications multiply and Consumption of the Lungs, Skin Diseases, Heart Disease, Rheumatism, Kidney Disease, or other grave maladies are quite liable to set in, and, sooner or later, induce a fatal termination.

Dr. Pierce's Golden Medical Discovery acts powerfully upon the Liver, and through that great blood-purifying organ, cleanses the system of all blood-taints and impurities from whatever cause arising. It is equally efficacious in acting upon the Kidneys, and other excretory organs, cleansing, strengthening, and healing their diseases. As an appetizing, restorative tonic, it promotes digestion and nutrition, thereby building up both flesh and strength. In malarial districts, this wonderful medicine has gained great celebrity in curing Fever and Ague, Chills and Fever, Dumb Ague, and kindred diseases.

Dr. Pierce's Golden Medical Discovery CURES ALL HUMORS, from a common Blotch, or Eruption, to the worst Scrofula, Salt-rheum, "Fever-sores," Scaly or Rough Skin, in short, all diseases caused by bad blood, and conquered by this powerful, purifying, and invigorating medicine. Great Eating Ulcers rapidly heal under its benign influence. Especially has it manifested its potency in curing the "Fever, Erysipelas, Boils, Carbuncles, Sore Eyes, Scrofulous Sores and Swellings, Hip-joint Disease, "White Swellings," Gout, or Thick Neck, and Enlarged Glands. Send ten cents in stamps for a large Treatise, with colored plates, on Skin Diseases, or the same amount for a Treatise on Scrofulous Affections. "FOR THE BLOOD IS THE LIFE." Thoroughly cleanse it by using Dr. Pierce's Golden Medical Discovery, and good digestion, a fair skin, buoyant spirits, vital strength and bodily health will be established.

CONSUMPTION, which is Scrofula of the Lungs, is arrested and cured by this remedy. If taken in the earlier stages of the disease, from its marvelous power over this terribly fatal disease, when first offering this now world-famed remedy to the public, Dr. Pierce thought seriously of calling it his "CONSUMPTION CURE," but abandoned that name as too restrictive for a medicine which, from its wonderful combination of potent ingredients, is equally effective in curing Scrofulous Affections, and all Chronic Diseases of the Liver, Blood, and Lungs.

For Weak Lungs, Spitting of Blood, Shortness of Breath, Chronic Nasal Catarrh, Bronchitis, Asthma, Severe Coughs, and kindred affections, it is an efficient remedy. Sold by Druggists, at \$1.00, or Six Bottles for \$5.00. For ten cents in stamps for Dr. Pierce's book on Consumption. Address, World's Dispensary Medical Association, 663 Main St., BUFFALO, N. Y.

PARSONS' PILLS. These pills were a wonderful discovery. No others like them in the world. Will positively cure or relieve all manner of disease. The information around each box is worth ten times the cost of a box of pills. Find out about them, and you will always be thankful. One pill a dose. Parsons' Pills contain nothing harmful, are easy to take, and cause no inconvenience. The marvelous power of these pills, they would walk 100 miles to get a box if they could not be had without. Sent by mail for 25 cents in stamps. Illustrated pamphlet free, postpaid. Send for it; the information is very valuable. I. S. JOHNSON & CO., 22 Custom House Street, BOSTON, MASS.

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PRINCE EDWARD ISLAND RAILWAY. 1887-8. Winter Arrangement. 1887-8. ON AND AFTER THURSDAY, DECEMBER, 1st, 1887, Trains will run as follows:--

Table with 4 columns: STATIONS, No. 1, No. 3, No. 2, No. 4. Lists routes between Charlottetown, Alberton, North Wiltshire, Hunter River, Bradsbane, Emerald Junction, Freetown, Kensington, Summerside, Misconche, Wellington, O'Leary, Port Hill, North Wiltshire, Royalton, Alberton, Tignish.

Table with 4 columns: STATIONS, No. 5, No. 7, No. 6, No. 8. Lists routes between Charlottetown, Bedford, Mount Stewart, Cardigan, Georgetown, Mount Stewart, Morell, St. Peter's, Bear River, Souris.

Table with 4 columns: STATIONS, No. 9, No. 10. Lists routes between Emerald Junction, Cape Traverse, Cape Traverse, Emerald Junction.

Table with 4 columns: STATIONS, No. 11, No. 12. Lists routes between Charlottetown, Bedford, Mount Stewart, Cardigan, Georgetown, Mount Stewart, Morell, St. Peter's, Bear River, Souris.

Table with 4 columns: STATIONS, No. 13, No. 14. Lists routes between Charlottetown, Bedford, Mount Stewart, Cardigan, Georgetown, Mount Stewart, Morell, St. Peter's, Bear River, Souris.

Trains are run by Eastern Standard Time. JAMES COLEMAN, Superintendent. Railway Office, Charlottetown, Nov. 29, 1887.—all prs Grt.

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JOHN NEWSON'S, QUEEN-SQUARE, OPPOSITE NEW POST OFFICE. Ch'town, March 9, 1887.

STEAMER "HEATHER BELLE."

Fall Arrangement, 1887.

ON and after MONDAY, OCTOBER 3rd 1887, the steamer "Heather Belle," Hugh McLean, Master, will run as follows: Will leave Orwell Brush Wharf for Charlottetown every Tuesday, Wednesday and Thursday mornings at seven o'clock, calling at China Point and Halliday's Wharves. Will leave Charlottetown for Halliday's, China Point and Orwell Brush Wharf same evenings, at two o'clock, remaining at Orwell Brush Wharf every Tuesday and Wednesday night, and on Thursday night returning to Charlottetown, arriving at eight o'clock. Friday, will leave Charlottetown for Cranberry Wharf, East River, at 5 o'clock, a. m.; leaving Cranberry Wharf for Charlottetown at half-past seven o'clock, a. m., calling at Hickey's Wharf. Leaving Charlottetown for Hickey's and Cranberry Wharves at 2 o'clock, p. m., returning to Charlottetown same evening. Every alternate Friday steamer will go to Mount Stewart. Saturday, will leave Charlottetown for Crapaud at nine o'clock, a. m., leaving Crapaud for Charlottetown, about 1 o'clock, p. m.

JOHN HUGHES, Agent. Charlottetown, P. E. I., Oct. 1, 1887. —Imo law

Mortgage Sale

TO be Sold by Public Auction, on THURSDAY the third day of November, A. D. 1887, at Twelve o'clock, noon, at the Court House, in Charlottetown, in Queen's County, under a Power of Sale, contained in an Indenture of Mortgage, dated the third day of July, A. D. 1877, and made between Thomas Henry Keating, of the one part, and Henry Skeffington Poole, of the other part. ALL that piece of land, in Charlottetown, in Queen's County, in Prince Edward Island, being part of Town Lot number forty-two (42), in the first hundred of Town Lots, in Charlottetown, commencing on the westward side of Queen Street, at the southeast angle of the property of William R. Watson, thence by a line at right angles to said street westwardly on or about eighty-six feet, or until it meets the division line between Town Lot number forty-one and said town Lot forty-two in said hundred, thence along said division line southwardly seventy-two feet, or until it meets the northward edge of King Street, thence along King Street east twenty-two feet, or until it meets the west boundary of the property of the Bank of Prince Edward Island, thence following the course of the same southwardly on a line parallel with Queen Street forty-four feet, or to the northward boundary of said Bank property, thence following said northward boundary eastwardly for the distance of sixty-four feet, or until it strikes the westward edge of Queen Street, thence following Queen Street northwardly for the distance of twenty-eight feet more or less, to the place of commencement. For further particulars apply to Edward J. Hodgson, Solicitor, Charlottetown. Dated this 31st August, 1887. EDWARD J. HODGSON, Assignee of Mortgage. Sept. 1, 1887—eod t1 sale

The above sale is hereby postponed until WEDNESDAY, the fourth day of January, next, A. D. 1888, then to take place at the hour and place above mentioned. EDWARD J. HODGSON. Nov. 2, 1887.

MACKEREL BARRELS 500 for Sale by CARVELL BROS. July 29, 1887.

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