

THE
AMERICAN GAS-LIGHT JOURNAL,

DEVOTED TO

LIGHT, WATER-SUPPLY AND SEWERAGE.

VOL. II.

JULY 1, 1860, TO JUNE 30, 1861.

NEW YORK:

ROOMS OF THE AMERICAN GAS-LIGHT JOURNAL,

No. 39 Nassau Street, cor. Liberty Street, opposite the Post-Office, N. Y.

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THE AMERICAN GAS-LIGHT JOURNAL

DEVOTED TO
LIGHT, WATER-SUPPLY, AND SEWERAGE.

Iron Buildings, Nos. 254 & 256 Canal Street, East, near Broadway, New York.

SECOND YEAR—VOL. II.—No. 13.

NEW-YORK, MONDAY, JULY 2, 1860.

\$3 PER ANNUM.

TWO GAS-FITTERS & PLUMBERS.

L. Waefer & Co., No. 94 Beekman street, New York, have always on hand several hundred gal. Wagon-Light Gas-Fixtures, of all sizes from 1/2 to 3 inches. They are made of best quality horse-shoe nail iron, and warranted not to break. Also, PLUMBERS' MATERIALS, such as China Wash-Basins, Closet-Basins, Pan-Closets, Bath Tubs, Boilers, Brass and Silver-plated Cocks, Brass and Iron Pumps, Hydraulic Rams, French Fountain Jets, &c., all at the very lowest prices.

BUTTS & KENDALL, (Formerly

F. Butts & Co.) Dealers in STERLING COAL, Cleveland, Ohio.—The attention of Gas Companies is called to the following letters as to the merits of the above Coal, being a few of the many we have received, and from which we are led to believe that this is no ordinary American Coal which combines all the qualities desired in a Gas Coal as perfectly as the Sterling—

Office of the Manhattan Gas-Light Co., New York, January 13, 1860.
Messrs. Butts & Kendall, Gentlemen:—I received from you during the past year worked very satisfactorily—averaging 9520 cubic feet of 15 candle Gas per ton of 2240 lbs., and 41 bushels of Coke, weighing 1665 lbs. We consider it among the best of American Gas Coals for the quantity and quality of the Gas produced, and also for the excellent quality of its Coke. I am, Gentlemen, your obedient servant, CHABLES ROOME, Pres.

Office of the Rondout and Kingston Gas-Light Co., Rondout, Jan. 4, 1860.

Messrs. Butts & Kendall, Gentlemen:—The 600 tons of Sterling Coal ordered from you in August, 1859, has now been in use over four months, to my entire satisfaction. Its average yield is 4, 40-100 feet, and a good strong light. The Coke produced equal in quality and quantity to best English Coking Coals. It burns very freely with little clinker. In purification it is economical, using no more time than New Pelton. It is superior to any American Coal I ever used. I shall be pleased to give you any further information at my office in New York.

WM. W. HAGUE, 522 Broadway.

The Cleveland Gas Light and Coke Co., Office, 195 Superior-St., Cleveland, Dec. 30, 1859.

Messrs. Butts & Kendall, Gentlemen:—This Company has used between 3000 and 4000 tons of your "Sterling Coal," and are still using it with very satisfactory results. We find the average product of a ton of 2000 lbs. is about 8800 feet of Gas and about 37 bushels of Coke. The Gas is of good illuminating power and quite free from sulphur or other impurities, one bushel of line purifying 9000 feet, and the Coke of very superior quality. The yield of Gas is about the same as that obtained from Pittsburgh Coal. I consider it the best Coal ever used in our works. I am, gentlemen, yours respectfully, WM. HUDSON, Sup't & Sec'y.

We would also refer to Gas Companies in the following places:—New York City (Manhattan and New York Co's), Albany, Troy, West Troy, Rochester, Oswego, Rondout, Kingston, Albion, Brockport, Seneca Falls, Elmira and Lyons, in the State of New York; Cleveland, Toledo, Sandusky, Norwalk and Oberlin, in Ohio; Detroit, Ann Arbor, Grand Rapids and Kalamazoo, in Michigan; Co. burg, in Canada, and two Companies in Milwaukee, Wisconsin.

The extensive Mines of the Sterling Coal and Mining Company, in the western part of Pennsylvania (known as the Sterling Hills, and the highest in that part of the State), are wholly under our control, and the Coal is mined and sold only by us or our Agents. The average product of the Sterling Coal, per ton of 2,000 lbs., is 8,733 feet of 15 candle Gas (4, 37-100 per bushel), and 37 bushels of Coke of very superior quality. Getting our Coal to this place by railroad, a supply can be had during the summer months (as well as at all other times), which is not the case with coals dependent upon high water for transportation, as are most of all other gas coals which are sent to the Lake or ports for shipment. Our mining facilities are such, that we are prepared to ship extensively. For any further information address the undersigned, or M. BULLOCK, Esq., Syracuse, N. Y., who is our Agent for that State.

BUTTS & KENDALL, Cleveland, O.

CORNELIUS & BAKER, MANUFACTURERS OF Lamps, Chandeliers, Gas-Fixtures, &c., MANUFACTORIES,

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JOHN HEARN & CO., Dealers and

Miners in AMERICAN GAS-COALS, Erie, Penn., would call the attention of Gas Companies to the superior quality of our Coals. For the past ten years they have been used by a majority of the Gas Companies in the State of New York, west of Albany and Troy. And also by the Gas Companies in the cities and towns of the North-Western States, and, during the past year, by the East Troy Gas-Light Company, Albany Gas-Light Co., and Manhattan Gas-Light Co. of the city of New York, all of which heretofore used English Coals.

Owning our mines and a fleet of vessels on the Lakes, having no Railroad transportation, and only 70 miles of canal from this city, or 140 miles of canal and Lake from Buffalo to the coal fields, being 175 miles less of transportation for Coal to the seaboard, than any Coal Depot on the Lakes, and having an Agency in Buffalo for the transshipment of our Coals only, it is unnecessary to say that parties purchasing of us, will get their Coal at first hand, saving, thereby, commission to managers and 175 miles of extra railroad and lake transportation.

A working average of our Beaver Coal is 9,600 feet of 16 Candle Gas, and 40 bushels Coal to the ton of 2,240 lbs.

The Manhattan Gas-Light Co. of New York having thoroughly tested the Gas Coals of Pennsylvania and Ohio, the following extract from a letter to us will speak for itself:

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"New York, June 15th, 1859."

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"GENTLEMEN,—This Company has a contract with your firm for the delivery of five thousand tons of Gas Coal, half each Beaver and Mount Carbon, at \$8.—per ton of 2,240 lbs."

"The cargo which has been received is satisfactory, and as we shall need 15 or 20 thousand tons more, to be delivered through the present summer, we beg you to advise us whether you desire to increase your contract. We have applications from various parties, who desire to supply the Company, but shall be satisfied to get a larger quantity of your Coals, provided you can serve us on terms equally favorable with others."

"For the Gas Co."

"HENRY YOUNG."

We are prepared to contract for the delivery of our Coals in the City of New York, or the cities and towns on the Hudson River.

GAS AND OIL-COALS, Foreign

and Domestic.—Orders promptly executed at the lowest market prices. For sale by HOKATIO EAGLE, Agt., 254 Canal-st., N. Y.

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The Penn Coal Company having completed arrangements for mining and shipping coal on an extensive scale, are now prepared to receive orders. The mines are favorably located on the line of the Pennsylvania Railroad, 20 miles east of Pittsburgh, Pa. The coal has been tested by many gas works, and the highest testimonials will be furnished. Communications addressed to Mr. A. L. Massey, Philadelphia, will have immediate attention.

ANTHRACITE AND BITUMIN-

ous Coal.—We are now prepared to contract with Dealers and Manufacturers, at wholesale only, for the choicest varieties of Lehigh and Schuylkill Coals, Port Locust Mountain direct from the miners' hands, George's Creek Coal from Hampshire Mines at Baltimore, and Midland Co.'s Mines at Alexandria, unrescued for Blacksmiths', Locomotive and Manufacturing purposes. At Elizabethport, N. J., we always have a full supply of Lehigh, Spring Mountain, Hazleton and Council Ridge Coals.

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OFFICE OF THE MANHATTAN GAS-LIGHT Co.,

New York, June 2, 1860.

AN INSTALLMENT OF TWELVE

and a half Dollars per Share on the Recap Stock of the Manhattan Gas-Light Company, is required to be paid at their office, corner of Irving Place and East Fifth Street, on Monday July 2d. By order of the Board.

I. H. HOWARD, Sec.

OFFICIAL

WATER WORKS, COVINGTON,

Kentucky.

Sealed Proposals will be received by the City Clerk of Covington, Ky., until the 10th day of July, 1860, for a grant of the exclusive right to establish and operate Water Works in the City, for the term of twenty-five years; the said city at, and at any time after, the expiration of said time, to have the right to purchase the works, upon six months' notice having been previously given to the grantee of the right herein proposed to be granted, at a valuation by disinterested parties. For further particulars address the undersigned.

By order of the City Council, C. H. MOAR, Ch'n of Com. on Internal Imp'ts. Covington, Ky., April 10th, 1860.

E. V. HAUGHWOUT & CO.,

488, 490, & 492 BROADWAY,

Cor. of Broome-St., New York.

Gas-Fitters & Contractors for the Erection

of Gas-Works.

Messrs. E. V. HAUGHWOUT & Co. have on hand a most extensive assortment of the newest and most desirable styles of CHANDELIERS, BRACKETS, LAMP-PODS, AND GAS-FIXTURES OF EVERY DESCRIPTION, to which they would respectfully call the attention of the public.

Gas-fitting done in the most workmanlike manner, and on reasonable terms.

FREEZING OF GAS-PIPES.

Walton's Patent Anti-Freezing Apparatus illustrated by engravings, in the AMERICAN GAS-LIGHT JOURNAL, of Jan., 1860, page 141, is the most simple, durable and efficient of any known process.

According to Professor Faraday, the watery vapor contained in illuminating gas amounts to 6-6000 parts, where the gas is at a temperature of 40°, or in other words, that there are 1, 7-10 gills water in every 1,000 cubic feet of gas at that temperature. It is the deposit of this water in the form of frost that closes the exposed pipes.

Walton's plan is, in a few words, to supply this water with a sufficient quantity of alcohol, (98-100th), the vapor of which will enable it to pass through the most exposed pipes, unaffected by frost. Experiments of three years prove that one gill of such alcohol will protect 1,000 feet of gas at any temperature. Private houses, Hotels and Gas-works, can be thus guaranteed from frost by the use of Walton's Anti-Freezer, which consists of but two or three small castings, at the most trifling cost. It can be applied at Gas-works without altering any of the pipes; and the expense of labor and the alcohol will not exceed two cents per 1,000 feet of gas.

It can be seen in operation at the rooms of the AMERICAN GAS-LIGHT JOURNAL, where orders will be executed at once.

Read the Following Testimonials:

GAS WORKS, CINCINNATI, O., 24th May, 1858.

MR. JOHN WALTON, Louisville, Ky.:

"Dear Sir,—At an earlier date, I intended to have written you the result of my experience during last winter, in regard to your patented apparatus to prevent the freezing of gas in pipes. I am quite convinced that both in theory and practice your apparatus is correct, and in no case will it fail to prevent the freezing in pipes of our illuminating carburized-hydrogen gas, provided attention is paid to renew the alcohol often enough in proportion to the amount of gas passing through the anti-freezing apparatus."

Yours truly, JOHN JEFFREY.

OFFICE LOUISVILLE, Ky., Gas Co.,

March 30th, 1860.

In the winter of 1859, this Gas Company first applied John Walton's patent method for the prevention of Frost in Service Pipes, to this date we have used it with perfect success. This Company have Purchased the Right to this Patent for Louisville, Kentucky.

The application of a vessel containing a small quantity of alcohol, placed between the gas main and an open area connected with a building, through which the service pipe was laid, has always prevented the freezing or stoppage of the service pipe, although the temperature may have ranged from the freezing point to several degrees below zero.

As the alcohol absorbs from the gas any vapor of the water that may be passing off with it, after passing the vessel containing alcohol, there remains in the gas nothing that can freeze or close the pipe. This simple application, we have proved to be an efficient safeguard against the closing of gas pipes with frost.

ROBERT G. COURTNEY, President.

H. P. GENEBRE'S PATENT,

Non-Freezing and Non-Evaporating Gas-Meter Fluid.

A meter once filled with this fluid, costing only from 10 to 15 cents per gallon, will require no further attendance; will allow any amount of gas to pass through without affecting the level of the fluid, and will work equally well in winter or summer, however exposed it may be.

I have appointed A. L. BOGART, No. 692 Broadway, New York City, my Agent for the New England States and the State of New York; and A. DUNST, Box 1195, Cincinnati, O., my Agent for the balance of the United States; but no assignment or license for using my patent will be valid without being ratified and signed by myself.

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