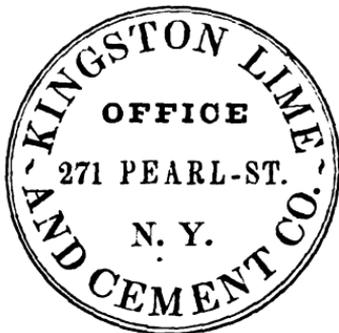


Hydraulic Cement.



HYDRAULIC CEMENT, OF BEST QUALITY, manufactured at their works, for sale in lots to suit purchasers.

Also, Ground Lime, a superior article for Builders.
 ISAAC FRYER, Sec'y.
 January 19, 1850.

BALL & CO'S PATENT Indestructible Water Pipe.

We publish below the opinions of others who have a personal knowledge of our Pipe, and would request all persons interested in the conveyance of water to investigate its merits for themselves. It being cheaper than Cast iron pipes, and incomparably more durable (as there is no chance to commence decay but continually grows more permanent) it must supersede it altogether in works requiring durability and purity.—Branching, taping, altering or relaying, is done with the greatest facility, and certainty, without injury, in any size of bore from 3 feet diameter down to 4ths of an inch under any head that can be controlled with hose or sewer pipes.

J. BALL & CO.
 Corner of Read and Centre Sts., N. Y.

FOR the benefit of those who have requested information in regard to this excellent article, we insert the following testimonials in relation to its merits: "In answer to the numerous inquires in relation to J. Ball & Co's Indestructible Water pipe, composed of iron and cement and in use in our village, the undersigned, water commissioners, trustees, and late trustees of the village of Saratoga Springs, take this method of saying that we have perfect confidence in the utility, goodness and durability of said pipe. The village of Saratoga Springs has some 20,000 feet of this pipe, varying from 6 to 14 in. in diameter, under a head of about 80 feet. It has been laid since the fall of 1846. Since it was fully completed, it has cost comparatively nothing to keep it in repair; and, although some portions are exposed to the frost, it seems to stand well the test, and answer all the purposes for which it was designed and constructed. We believe it preferable to iron pipe—is much cheaper and more durable, and we would not exchange it for any other kind of pipe yet invented, if we could without any additional expense or inconvenience. The water comes through clear and pure, and where we have had occasion to take any part of it up to improve or alter the grounds, it appeared to be just as sound and imperishable as the moment it was laid down. This testimony is entirely disinterested, and is now given to avoid the necessity of answering the many calls upon us for information on this subject. We have witnessed and many of us have superintended the laying down of the pipe in this village, and watched its operations since, and are perfectly satisfied that we have the best water pipe ever presented to the public. Saratoga Springs, Dec., '49.

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|-----------------|------------------|
| G. M. Davidson, | } Water Com. |
| R. Putnam, | |
| N. B. Doe, | |
| R. Gardner, | } Trustees. |
| H. P. Hyde, | |
| J. L. Perry, | |
| J. D. Briggs, | |
| S. Chapman, | } Late Trustees. |
| J. A. Corey, | |
| W. S. Alger, | |
| Wm. Cook, | |

"I certify that I was Chief Engineer, having the construction of the above work in charge, and fully concur in the foregoing statement. Dec., 1849.

"S. R. OSTRANDER, Civil Engineer."

A card, signed by the Trustees or Water Commissioners of Saratoga Spa (village), expressing their unqualified approval of J. Ball & Co's indestructible water pipe, has been shown me; whilst I fully endorse from my own experience, the statements of these gen-

lemen, I am enabled to add that under my direction, some six thousand feet of cement pipe was laid by Messrs. Ball & Co., in this village, that the main pipe was of 10, 4 and 6 inches bore, and is subjected to a pressure due to an average head of sixty-five feet—it has fully answered my expectations. I would further state that, having been employed by the Common Council of Albany to report a plan of supplying that city with water, I had occasion very carefully to test the merits of this kind of pipe, and was so fully convinced of the practicability of using the cement pipe for large conduits, being of three feet in diameter, as well as for smaller ones, that I recommended its adoption in the proposed work, and give my reasons for so doing.

1st. That the cement pipe is far less expensive than that of cast iron or brick.

2d. That it will sustain an equal pressure with that of cast iron; and when used for large conduits, can be carried up and down the inequalities of the surface of the ground, saving the grading, which is indispensable if a brick one is used.

3d. That it can be readily and economically repaired, and, should it become necessary, can be taken up and relaid without injuring the pipe.

4th. That this description of pipe is not so much affected by frost as one of metal, and in no way impairs the quality of the water.

F. S. CLAXTON,
 Engineer and Ag't Cohoes Co.

Messrs. J. Ball & Co., New York.
 Cohoes, December 31, 1849.

In addition to the above testimonials, we can state that, having had experience and personal knowledge in regard to the excellent qualities and durability of the above pipe, we have no hesitation in recommending it to the public.

- Starr & Alburts, 122 Nassau st.
- Frederick Marquand, per H. G. M., Atty.
- Janes, Beebe & Co.
- H. W. Metcalf, 63 and 65 Centre st.
- Norman White, 111 Fulton st.
- John J. Merritt, No. 76 Columbia st. Brooklyn.
- Platt & Brother, 20 Maiden Lane.
- Geo. Griswold, South st.
- J. & J. W. Meeks, 14, 15 and 18 Vesey st.
- Wm. Gale, 116 Fulton st.
- J. C. Brown, Builder, 10 Dutch st.
- Wm. Colgate & Co.
- Thos. C. Smith.
- O. R. Burnham, 17 and 19 Broadway.
- G. B. Hartson, 58 and 60 Vesey st.
- Wm. W. Campbell, 77 St. Mark's Place.
- Lorin Brooks, 240 Broadway.

Messrs. J. Ball & Co. :

Gents: Articles have appeared in the Farmer and Mechanic, from Saratoga and Cohoes, on the subject of your water pipes; I fully endorse their opinions. Your work for my son's water cure at South Orange, embracing a large amount of four and three inch pipe, under a head at least as great as the Croton of New York, shows not only certainty and efficiency, but what is equally important, perfect purity, which for medicine purposes is all important, and should be considered so for drinking and other uses.

Yours, SAML. MEEKER.

Newark, January 11, 1850.

In addition to the above, we certify that J. Ball & Co. have inserted pipes for us of 10 inch bore and less, since the winter of 1844, and that last Spring we had over 1000 lbs. of lead pipe removed, and its place supplied with their pipe. We fully endorse the opinions expressed in the notices above.

BEACH, BROTHERS,
 New York Sun Establishment.

Having for the past three years laid many of Messrs J. Ball & Co's patent cement pipes in the Newark Aqueduct Co., I prefer them to any pipe that I have used, their cost being one-third less than iron pipe, and also being free from wear and rust, and can most cordially recommend them for all aqueduct purposes.

SHELDON SMITH, Superintendent.

Newark, January 14, 1850.

THE NEWCASTLE MANUFACTURING Co.
 continue to furnish at the Works, situated in the town of Newcastle, Del., Locomotive and other steam engines, Jack Screws, Wrought Iron Work and Brass and Iron Castings, of all kinds connected with Steam-boats, Railroads, etc.; Mill Gearing of every description; Cast Wheels (chilled) of any pattern and size, with Axles fitted, also with wrought tires, Springs, Boxes and bolts for Cars; Driving and other wheels for Locomotives.

The works being on an extensive scale, all orders will be executed with promptness and despatch. Communications addressed to Mr. William H. Dobbs, Superintendent, will meet with immediate attention.

ANDREW C. GRAY,
 President of the Newcastle Manuf. Co.