

are protected by a good varnish. With regard to the new varnish, the only advantage I can see in the use of lime with

JNO. H. RASER. Yours, Reading, Pa., Jan. 1st, 1853.

alluded to by our correspondent. We are ction of a locomotive he outer and low much obliged to Mr. Raser for his thoroughly chimney and smoke box and its exhaust steam | cone, and with it forming a water vessel of practical information. or blast pipes, with the Apparatus for Heatabout fifteen gallons capacity, and connected ing Feed Water attached thereto, invented by by the pipes F' F' to the top of the cylinder, The Delaware and Raritan Canal Company interests is delivered. Israel P. Magoon, of St. Johnsbury, Caledonia H; F is a pipe (two inches in diameter) leadare about commencing the enlargement of their canal. The whole line is to be made Co., Vermont, and patented Sept. 7th, 1852. ing from a force pump on the left side of the Fatal Accident. B represents the front end of the boiler; engine, and along the side of the boiler to the wider and deeper, and new locks built throughsmoke box which it enters as seen in the fig-E E the exhaust pipes; A the inner smoke out, capable of passing vessels of five hundred ure, and opens at its upper end into the lower or cone pipe; C the outer or external chimney, tons burthen; making it, in reality, a ship and D the deflector or cone, all of which are part of the cylinder, H; R is a pipe of the channel. From four to five thousand men will usually found in modern locomotives. H resame diameter as F, having its mouth within be employed upon it, including many carpenpresents a hollow cylinder of sheet-iron larger the vessel, K, 21 inches above the highest ters, masons, and blacksmiths. than the smoke pipe which it completely sur- part of the deflector or cone, thence leading removed life was extinct. Fine tooth combs are now made of India rounds, and to which at top and bottom it is down through or insi e the smoke-pipe and rubber. attached water tight, leaving a space between smoke-box to the right side of the boiler along Thefts of statuary have recently occurred in K is an inverted bowl-shaped vessel of cast- end with the tank of the tender by a flexible ors. Greenwood Cemetery.

[The lime and potash make a caustic ley as The above engraving represents a transverse | iron attached, also water tight, by a flange to

many of our young mechanics go to hear the potash is to render the latter more caustic. songs and see mountebank exhibitions in preference to attending scientific lectures. Mechanics with families cannot attend lectures with the same convenience that persons of wealth can, but from their numbers in New York they ought to crowd the largest Hall in the city, whenever a lecture respecting their An accident lately occurred at the brewery of Mr. Sietz, in Easton, Pa., Phillip Winner, one of the hands, went into the cellar, and accidentally slipped into an ale vat which had been left open for the gas to escape. He was overcome by the effects of the gas, and when The Atlantic is nearly four miles deep off it and the smoke pipe of about two inches; which it passes and connects at its hindmost Cape Hatteras, so say the U.S. Coast Survey-

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is ten times larger than the rooms of the In-

stitute, the hall was well filled and the audi-

ence very large. We are afraid that too

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