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# A New Treatise on Steam Engineering, Physical Properties of Permanent Gases; And of Different Kinds of Vapor

By John William Nystrom

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1876 Excerpt: . corresponding to the bursting pressure, there will be an explosion. The iron in steam-boilers, like any other material subjected to bursting strain, breaks at the weakest point; but it is difficult to find the location of that point, and very often boilers are not constructed, inspected or managed with sufficient care to guard against bursting. Thus steam-boiler explosions are caused by various neglects in guarding against such accidents--namely, First. By long use boilers become weakened by corrosion, which acts unevenly on different kinds of iron and in different parts of the boiler, and if not properly inspected and the weakened places repaired, the boiler may burst and explode. Second. The general construction, with staying and bracing of steam-boilers, is often very carelessly executed, and results in explosion. This kind of explosions are often indicated long before the accident occurs, by leakage of the boiler; when...



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