

19th century

textbook illustrations



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The Conduction of Sound in Hydrogen

“When a gas-jar is filled with hydrogen, it may be lifted carefully from the pneumatic trough without fear of any gas escaping, and placed on a stand sufficiently high to admit of the hand being inserted into the jar; if one of the squeaking toys be first worked in the air and then in the jar of hydrogen, the effect is very laughable, as the sound becomes so shrill, in consequence of the levity of the gas. A bell sounded in air and afterwards in hydrogen is also an amusing experiment.”

Literature Cited

Pepper, J. H., “Scientific Amusements for Young People: Chemistry,” Sower, Barnes & Potts, Philadelphia, Penn., 1863, p. 47., appended to “Peterson’s Familiar Science.”

