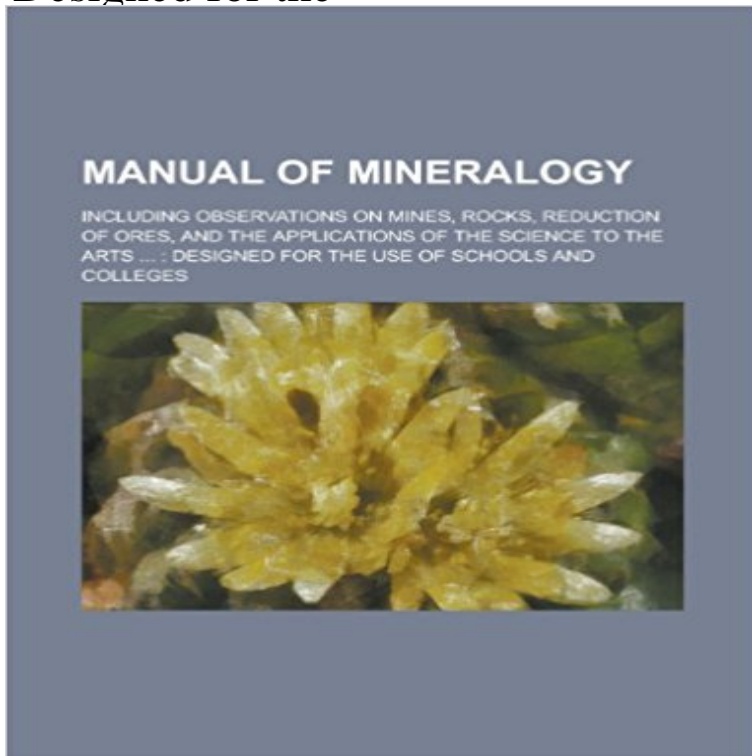


# Manual of Mineralogy; Including Observations on Mines, Rocks, Reduction of Ores, and the Applications of the Science to the Arts ...: Designed for the



This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1864 edition. Excerpt: ...233,) and tungstate of lime. It also occurs sparingly in some ores of columbium, as in certain varieties of the minerals pyrochlore, columbite, and yttrio-columbite. It is met with in very small quantities as an ochre, or as tungstic acid, forming a yellow powder on other tungsten ores. Lanes mine, Monroe, Conn., the adjoining town of Huntington, and Camdage farm, Blue Hill Bay, Me., are the only American localities of tungsten ores yet discovered. Lanes mine affords wolfram and the calcareous tungsten, and also the tungstic ochre. These ores are frequent associates of tin ore. No use in the arts has been made of this metal or its compounds. What is its composition? How does it differ from graphite? What the properties? Tungstic acid is a fine yellow, even brighter than chrome yellow; but it turns green on exposure to the sun's rays. The metal tungsten was so called from the Swedish word lung, meaning heavy, the calcareous tungsten being peculiarly heavy for an earthy looking mineral. It has also been called scheelium, in honor of the chemist Scheele. Tungstate of lime. In square octahedrons; A: A=1003 8 and 130 20. Cleavage octahedral, perfect. Color yellowish-white, or brownish. Brittle. H=4--4-5. Gr= 0-075. Composition, tungstic acid 7-8, lime 1906. Infusible alone, or only on the thinnest edges. Found with wolfram at Lanes mine, Monroe, Conn. 8. VANADIUM. Vanadium is a rare metal. It is found in nature as vanadic acid in the vanadate of lead (p. 285), and vanadate of copper (p. 302), and also combined with lime. The last mentioned has a brick-red color, a foliated structure, and a bright shining luster. 9. TELLURIUM. Tellurium occurs native,

and also in combination with gold,...

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