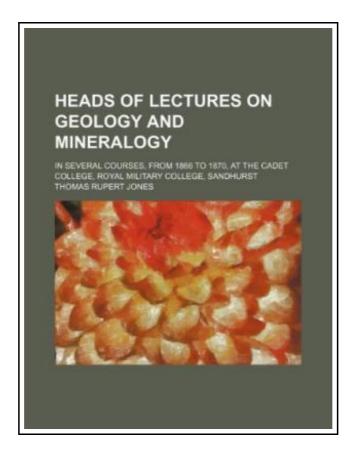
### Heads of Lectures on Geology and Mineralogy; In Several Courses, from 1866 to 1870, at the Cadet College, Royal Military College, Sandhurst



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#### Reviews

Extensive guideline! Its this kind of very good study. It really is full of knowledge and wisdom I discovered this book from my i and dad encouraged this publication to understand. (Mr. Jerry Littel)

# HEADS OF LECTURES ON GEOLOGY AND MINERALOGY; IN SEVERAL COURSES, FROM 1866 TO 1870, AT THE CADET COLLEGE, ROYAL MILITARY COLLEGE, SANDHURST



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. 1870 Excerpt: .on the square foot. In storms and in torrents the force of water is extremely violent; for the power of water to move bodies that are in it increases as the sixth power of the velocity of the current. Thus if we double the velocity of a current, its Motive power is increased 64 times; if its velocity be multiplied by three, its motive power is increased 729 times; if by four, 4096 times, and so on (Hopkins). Granite may be conveniently taken as an example of a rock disintegrated by Air and Water. In Cornwall, India, Hongkong, and elsewhere, granite is weathered into sands and sandy clays of great depth, with blocks of solid granite remaining unaltered in the mass. The felspar of granite is often decomposed into clay, Carbonic Acid and Water having removed the potash and soda from it; and the flakes of mica (less easily decomposed) and the grains of quartz are left free or imbedded, according to circumstances. Ridges and slopes of decomposing granite (often topped with tors and rocking-stones) are washed clean by the rains, and the clay, mica, and sand go off in the streams to lower levels and different distances. On flats and slight slopes the debris is less disturbed, but varies in constituents according to the drainage. Sometimes granitic sand is recemented, and becomes a rock called Arkose. The knowledge that granite and other felspathic rocks (porphyry, c.) will decompose in place into grit, clay, and...

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