



## Treatise on mills and millwork Volume 1

By William Fairbairn

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 96 pages. Dimensions: 9.7in. x 7.4in. x 0.2in. 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. 1861 Excerpt: . . . advantageous use to which a water pressure engine can be put is the pumping of water, to which slow motion and a long stroke are well adapted, because they are favourable to efficiency, not only in the engine but in the pump which it works. --Rankine. i Fig. 145. The valves now usually employed in these engines are solid pistons working in the supply pipe, with leather or metal packings. Figs. 143 and 144 showing the valves for a single-acting engine will sufficiently indicate the principle. A a is the supply pipe, B B the entrance to the cylinder, and c c the eduction pipe. When the cylinder is being filled, fig. 144, the valve D is below the entrance and closes the eduction pipe. When, however, the cylinder is emptying, fig. 143, the valve is raised and then closes the supply pipe. Deep notches are...



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