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strength increased very nearly as the cube of the diameter and that the average torsional resistance per square inch of section was 8 375 tons assuming as explained at page 561 that the shearing resistance of cast iron is equal to its direct tensile this is a new release of the original 1906 edition this is a reproduction of a book published before 1923 this book may have occasional imperfections such as missing or blurred pages poor pictures errant marks etc that were either part of the original artifact or were introduced by the scanning process we believe this work is culturally important and despite the imperfections have elected to bring it back into print as part of our continuing commitment to the preservation of printed works worldwide we appreciate your understanding of the imperfections in the preservation process and hope you enjoy this valuable book excerpt from a pocket book of mechanical engineering tables data formulas theory and examples for engineers and students hydraulics and hydraulic machinery hydraulics water wheels turbines pumps plunger pumps and pumping machinery hydraulic power transmission etc about the publisher forgotten books publishes hundreds of thousands of rare and classic books find more at forgottenbooks.com this book is a reproduction of an important historical work forgotten books uses state of the art technology to digitally reconstruct the work preserving the original format whilst repairing imperfections present in the aged copy in rare cases an imperfection in the original such as a blemish or missing page may be replicated in our edition we do however repair the vast majority of imperfections successfully any imperfections that remain are intentionally left to preserve the state of such historical works this work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it this work was reproduced from the original artifact and remains as true to the original work as possible therefore you will see the original copyright references library stamps as most of these works have been housed in our most important libraries around the world and other notations in the work this work is in the public domain in the united states of america and possibly other nations within the united states you may freely copy and distribute this work as no entity individual or corporate has a copyright on the body of the work as a reproduction of a historical artifact this work may contain missing or blurred pages poor pictures errant marks etc scholars believe and we concur that this work is important enough to be preserved reproduced and made generally available to the public we appreciate your support of the preservation process and thank you for being an important part of keeping this knowledge alive and relevant the favourable and warm reception which the previous editions and reprints of this booklet have enjoyed at home and abroad has been a matter of great satisfaction to me excerpt from tables of the principal speeds occurring in mechanical engineering expressed in metres in a second speed on the periphery of channels of steel guns while drilling them with the constant moistening of the drill by means of potash water about the publisher forgotten books publishes hundreds of thousands of rare and classic books find more at forgottenbooks.com this book is a reproduction of an important historical work forgotten books uses state of the art technology to digitally reconstruct the work preserving the original format whilst repairing imperfections present in the aged copy in rare cases an imperfection in the original such as a blemish or missing page may be replicated in our edition we do however repair the vast majority of imperfections successfully any imperfections that remain are intentionally left to preserve the state of such historical works the most important tables from every engineering discipline in one volume collected from the best most authoritative references in the business it is now more than wishful thinking the crc handbook of engineering tables makes it a reality the most frequently consulted tables and figures from crc's acclaimed engineering handbooks are gathered together this book brings together information which is used by engineers and needed especially by students of engineering but difficult to find in a

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