



Kinematics A Treatise on the Modification of Motion, as Affected by the Forms and Modes of Connection of the Moving Parts of Machines

By Charles William Mac Cord

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 102 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. 1889 Excerpt: . . . in rolling contact with the spiral AP, which being taken as the describing line, will carry the pole P in the right line PA with uniform velocity. But we have already seen that such motion of P will simultaneously trace upon the planes of the two wheels, the involutes AH and AI of the base circles. And in like manner it may be shown that the continuations J. and AK of these involutes may be generated by the similar and equal spiral ANQ, rolling in contact with the pitch circles, its pole Q being the tracing point. CHAPTER X. SPUR GEARING--CONTINUED. Conjugate Teeth. Sangs Theory. Path of Contact. Unsymmetrical Teeth Approximate Forms. The Odontographs. Diametral Pitch. Manufacture of Gear Cutters. Determination of Series of Equidistant Cutters. Conjugate Teeth. 280. It follows from the general principles stated in (181), that if a tooth-outline of any reasonable form...



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