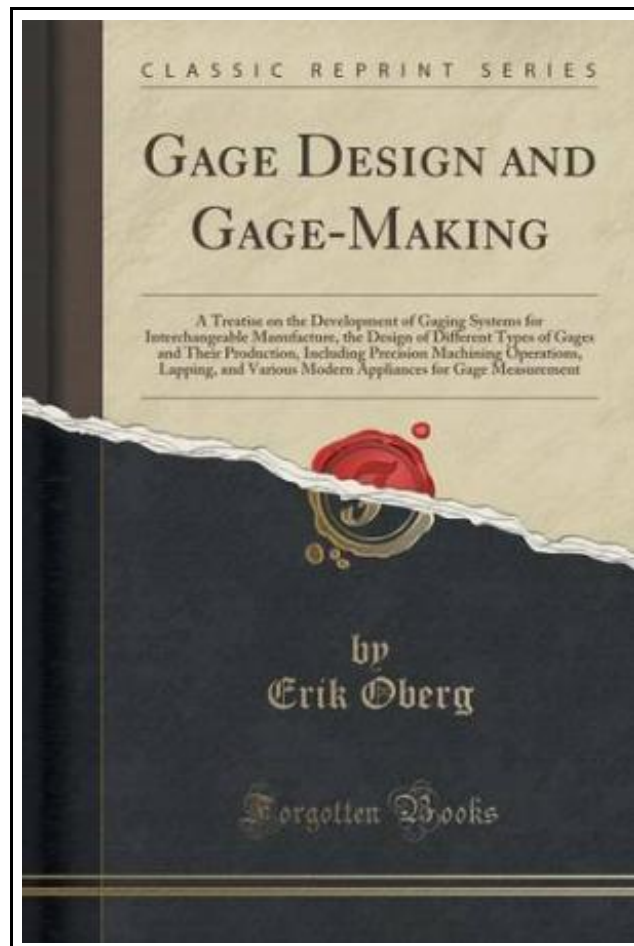


# Gage Design and Gage-Making: A Treatise on the Development of Gaging Systems for Interchangeable Manufacture, the Design of Different Types of Gages and Their Production, Including Precision Machining Operations, Lapping, and Various Modern



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*(Ms. Ora Buckridge)*

## **GAGE DESIGN AND GAGE-MAKING: A TREATISE ON THE DEVELOPMENT OF GAGING SYSTEMS FOR INTERCHANGEABLE MANUFACTURE, THE DESIGN OF DIFFERENT TYPES OF GAGES AND THEIR PRODUCTION, INCLUDING PRECISION MACHINING OPERATIONS, LAPPING, AND VARIOUS MODERN**



Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Excerpt from Gage Design and Gage-Making: A Treatise on the Development of Gaging Systems for Interchangeable Manufacture, the Design of Different Types of Gages and Their Production, Including Precision Machining Operations, Lapping, and Various Modern Appliances for Gage Measurement The cost of manufacturing any mechanism may be greatly affected, first, by the tolerances specified, and, second, by the gages used to insure that these tolerances are adhered to. There has been, and still is, a great deal of misunderstanding with regard to tolerances and their application in shop work. Briefly stated, tolerances should be based upon the working requirements of the mechanism to be made, and should be as large as possible, consistent with the purpose of the part or combination of parts to be made. Unnecessary accuracy which does not improve the product merely increases the manufacturing cost, and, hence, is sheer waste. After the tolerances have been established, the means for insuring that the desired tolerances are adhered to in the machining operations must be considered. The gages to be used must be so designed and made that they are not only accurate, but practicable, and adapted to shop use. The relation between the gaging system and the design of jigs and fixtures is also essential. This book deals with such fundamental and vital points as have been outlined above, and is, therefore, regarded as a valuable addition to the technical literature of the day. Much has been published on manufacturing practice, but comparatively little on the design and making of gages; yet, gages control the different manufacturing processes and insure that the required degree of interchangeability is obtained. About the Publisher Forgotten Books publishes hundreds...



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