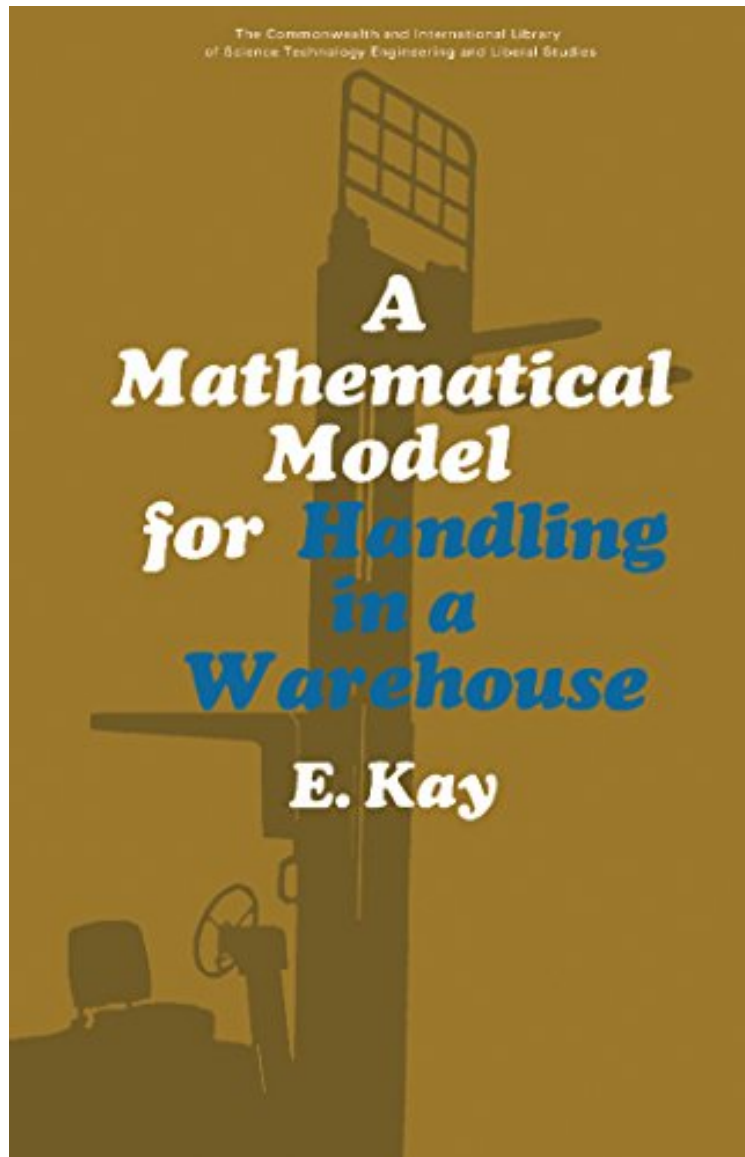


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# **A Mathematical Model for Handling in a Warehouse: The Commonwealth and International Library: Social Administration, Training, Economics and Production Division**

*E. Kay*

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A Mathematical Model for Handling in a Warehouse presents the formulation of a mathematical model for goods handling in a warehouse. This 11-chapter text specifically serves as a guide in decision-making in terms of the capacity, shape, and layout of a warehouse for a variety of available handling equipment under minimized total cost. The first seven chapters cover the overview, purpose, and applicability of the model; the role of stock distributions in movement within the warehouse; the problem of order picking; and the effect of time dependent storage policies on the model. The following chapters outline a formula for building cost and its link to handling effort, followed by a discussion on the use of the model when considering warehouse automation. These chapters also examine the mathematical aspects of the model. The concluding chapter provides some numerical examples to illustrate the use and applicability of the model in a specific warehouse handling condition. Mathematician and researchers in the related subjects of goods handling in a warehouse will find this work invaluable.