HIGHER TECHNICAL INSTITUTE

NICOSIA – CYPRUS

MECHANICAL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

DESIGN OF A TROLLEY FOR LIFTING GAS CYLINDERS

M/570

DESIGN BY :

DESPOTIS CONSTANTINOS

JUNE 1991

DESIGN OF A TROLLEY FOR LIFTING GAS CYLINDERS

Project report is submittet by
DESPOTIS CONSTANTINOS

In part satisfuction of the award of diploma of Technicial Engineer in Mechanical Engineering of the Higher Technical Institute Cyprus.

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External Assessor.....
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Type of project:Individual

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ABSTRACT

The aim of this project is to design a trolley for lifting gas cylinders i.e. to be able to climb up the stairs.

The requirements of this project are to investigate the case of designing a trolley to be able to climb up the stairs with a valuable convenient.The investigation was going to be easy if there were any companies of designing such a trolley for gas cylinders and have some special specifications.But the problem was that those trolleys which are available in garages or industries are made by experiences of persons having a little knowledge of the problem.

The book is a study of the creativity and decision making processes which mechanical engineers use in the formulation of plans.It is illustrated by numerous clear diagrams,which are adequately explained where appropriate.The hole project is divided into 4 chapters (as many as the design's phases).
I wish to encourage the user and further more my examiners to send me their comments and suggestions of improvement.This will help me to improve my knowledge and design, so that my next approach in the field, would be even more precise and sophisticate.

CONTENTS