

HIGHER TECHNICAL INSTITUTE

MECHANICAL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

DESIGN OF A MOVING FLOOR FOR A LORRY

M / 808

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JUNE 1997

HIGHER THCHNICAL INSTITUTE

MECHANICAL ENGINEERING COURSE

DIPLOMA PROJECT

"DESIGN OF A MOVING FLOOR FOR A LORRY"

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BY: STAVRINIDES NEKTARIOS

HIGHER TECHNICAL INSTITUTE	PROJECT NO 2731
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"DESIGN OF A MOVING FLOOR FOR A LORRY"

by

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Project Report

Submitted to

the Department of Mechanical Engineering
of the Higher Technical Institute

Nicosia , Cyprus

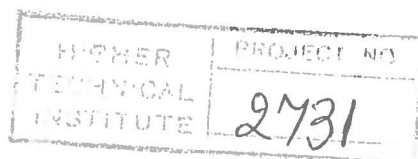
in partial fulfilment of the requirements
for diploma project of

TECHNICIAN ENGINEER

in

MECHANICAL ENGINEERING

July 1997



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Type of Project: Individual

June 1997

ACKNOWLEDGEMENTS

I would like to express my thanks and appreciation to Mr. N. Papanastasiou, Lecturer at the Higher Technical Institute for his assistance and guidance through the design procedure.

I would also like to thank Mr. M. Kalyvides Manager of KALEPAN LTD for the provision of useful informations relevant to the subject of the diploma project.

Finally I would like to thank the following factories which have provided me with useful catalogues for this project:

MOELLER-KLOCKNER (Germany)
PUJOR ELECTRONICS (England)
DUGOMRULLI (Italy)
ANDREOU LTD (Larnaca-Cyprus)

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Mechanical Engineering

ABSTRACT

The objectives of the
"DESIGN OF A MOVING FLOOR FOR A LORRY" are:

- 1: To present complete design calculations for the proposed system and to meet the following terms and conditions:
 - (a): The moving floor should be in the form of a conveyer
 - (b): The lorry should carry milk cases
- 2: To present selection procedures for all components that will be selected.
- 3: To present detailed working drawings of each design component.
- 4: To prepare suitable assembly drawings
- 5: To prepare a cost estimated for the proposed design.

CONTENTS

PAGE:

ACKNOWLEDGEMENTS	
ABSTRACT	
CONTENTS	
INTRODUCTION.....	1- 4
<u>CHAPTER 1: DEFINITION OF THE PROBLEM.....</u>	<u>5</u>
1.1 TERMS AND CONDITIONS.....	6
1.2 DECISIONS.....	6- 8
<u>CHAPTER 2: DESIGN OF THE CONVEYOR.....</u>	<u>9</u>
2.1.1 THE CONTENTS OF SECOND CHAPTER.....	10
2.1.2 GENERAL DESCRIPTION OF THE STRUCTURE.....	10- 11
2.3.1 ROLLERS SPACING.....	12- 13
2.3.2 DISTRIBUTION OF UNIT LOAD ON THE ROLLS.....	14
2.3.3 PRACTICAL DETERMINATION OF "F".....	15
2.3.4 FRICTION BETWEEN LOADS AND ROLL.....	16
2.3.5 DESCRIPTION OF THE ROLLERS USED.....	16- 17
2.3.7 DESIGN OF THE ROLLERS.....	18
2.3.8 CALCULATION OF THE WEIGHT OF THE ROLLERS.....	19
2.4 GEARING CALCULATION.....	19- 20
2.5.1 DOUBLE UPPER TANGENTIAL CHAIN.....	21
2.5.2 ROLLER CHAINS.....	22- 24
2.5.3 THE SPROCKETS.....	25
2.6 THE SUPPORTS OF THE ROLLERS.....	25
2.7 POWER REQUIREMENTS.....	27- 28
2.8 HEAD ROLLERS.....	29
2.9 THE NEEDLE ROLLER BEARINGS OF THE ROLLERS.....	30- 31
2.10 SPEED OF THE PALLETS.....	32
<u>CHAPTER 3: ELECTRIC SYSTEM.....</u>	<u>33</u>
3.1 INTRODUCTION TO THE ELECTIC SYSTEMS.....	34
3.2.1 GEARED MOTOR.....	34- 35

3.2.2 CONNECTION OF THE GEARED MOTOR.....	35
3.3 LIMIT SWITHES.....	36

CHAPTER 4: THE HOUSING OF THE STRUCTURE37

4.1.1 THE HOUSING OF THE LORRY.....	38
4.1.2 THE FRAME OF THE HOUSING.....	38

CHAPTER 5: MAINTENANCE AND ACCESORIES39

5.1 MAINTENANCE.....	40
5.2.1 LUBRICATION.....	40- 41
5.2.2 HYDRODYNAMIC LUBRICATION.....	41
5.3 CONVEYOR CHAIN MAINTENANCE.....	42
5.4 ROLLER CHAIN MAINTENANCE.....	42
5.5 ANNUAL CLEARING OF THE CONVEYOR.....	43
5.6 CONVEYOR CHAIN ADJUSTMENT.....	43
5.7 MAINTENANCE OF BEARINGS.....	43- 44
5.8 TYPES OF HYDRODYNAMIC LUBRICATION.....	45- 47
MAINTENANCE SHEET.....	48
5.9 ACCESORIES.....	49

CHAPTER 6: COST ANALYSIS.....50

6.1 INTRODCTION TO COST ANALYSIS.....	51
6.2 COST TABLE.....	52

APPENDICES
REFERENCES

INTRODUCTION

In our century the major characteristic in all the big industries is the electric automization of machines.

In this sylabus human beings stops to be tool using animals. Capital and technology provides these tools and all the hard works are carried out with "Intelligent robot systems".

The main purpose of this project is to "Design a moving floor for a lorry" by which the loading and unloading of the milk cases would've been simplier and easier, but the most important is that it would've needed less time and therefore less money.

The above automization could be done throught a slat or belt or roller conveyors, or through a chain driven rollers conveyor.

The advantages and disadvantages of the four above proposed solutions are refered to the following paragraphs of the Introduction.