

LIST OF FIGURES

Figure		Page
2.1	Manual Milling	13
2.2	Stone Roller	15
2.3	Simple Disc Cono	17
2.4	Rubber Roller	18
2.5	Jet Pearler Whitener	21
2.6	Oscillating Sieve	23
2.7	Paddy Separator	25
2.8	Aspirator with Suction Blower	23
2.9	Rice Grader	26
2.10	Apollo	34
2.11	Stone Roller	34
2.12	Complete Disc Cono Mill	42
2.13	Incomplete Disc Cono	43
2.14	Disc + Rubber Roller + Cono	45

สำนักหอสมุด

LIST OF FIGURES

Figure		Page
3.1	Seasonal Utilization Pattern by Mill Size	58
3.2	Percentage Distribution of Mill Number and Capacity, Nakorn Pathom, 1974.	63
3.3	Seasonal Pattern of Very Small and Small Size Rice Mill Utilization by Districts.....	65
3.4	Seasonal Pattern of Medium Size Rice Mill Utilization by Districts.....	66
3.5	Seasonal Pattern of Large Size Rice Mill Utilization by Districts	66

THANMASAT UNIVERSITY
สำนักหอสมุด

LIST OF FIGURES

Figure		Page
4.1	Typical Plant Layout for Rice Mill in Nakorn Pathom, Thailand, 1974	87
4.2	Average Total Cost Curves of Very Small and Small Service Synthetic Rice Mills at 25, 50, 75 and 100 percent Utilization	104
4.3	Average Total Cost Curves of Very Small, Small, Medium and Large Trade Synthetic Rice Mills at 25, 50, 75 and 100 percent Utilization	105
4.4	Assumed Average Revenue for Synthetic Rice Mills, by System and by Function	113
4.5	Average Profit Curves of Very Small and Small Service Synthetic Rice Mills at 25, 50, 75 and 100 percent Utilization	115
4.6	Average Profit Curves of Very Small, Small, Medium and Large Synthetic Trade Mills at 25, 50, 75 and 100 percent Utilization	116
4.7 a	The Monthly Total Cost Envelope Curve for Very Small and Small Service Synthetic Rice Mills	118
4.7 b	A Smooth Continuous Curve Representing the Monthly Total Cost Envelope Curve for Very Small and Small Service Synthetic Rice Mills	120
4.8	The Monthly Total Cost Envelope Curve for Very Small and Small Trade Synthetic Rice Mills	121
4.9	The Monthly Total Cost Envelope Curve for Medium and Large Trade Synthetic Rice Mills	122

LIST OF FIGURES

Figure		Page
4.10	The Monthly Total Profit Envelope Curve for Very Small and Small Service Synthetic Rice Mills	123
4.11	The Monthly Total Profit Envelope Curve for Very Small and Small Trade Synthetic Rice Mills	124
4.12	The Monthly Total Profit Envelope Curve for Medium and Large Trade Synthetic Rice Mills	125
4.13	Average Total Cost of Synthetic Rice Mills by Systems and by Function at 100 percent and Assumed Utilization	130
4.14	Average Profit of Synthetic Rice Mills by System and by Function at 100 percent and Assumed Utilization ...	131

THANMASAT UNIVERSITY
สำนักหอสมุด

LIST OF FIGURES

Figure		Page
5.1	Conveying Steps within Rice Mills	150
5.2	Belt Conveyor	152
5.3	Bucket Conveyor	152
5.4	Basket Transfer	156
5.5	Power, Cable & Board	156
5.6	Manual, Cable & Board	156
5.7	Sack Transfer	156
5.8	Shovel Loader	161
5.9	Two - Wheel Dumpable Push Cart	161
5.10	Basket & Pole	161
5.11	Using Bucket Elevator	161
5.12	Using Belt Conveyor	161
5.13	Belt Conveyor + Labor	166
5.14	Belt Conveyor + Cart	166
5.15	Hand Cart	166
5.16	Labor	166

สำนักหอสมุด