

CONTENTS

| | |
|--|-----|
| Foreword..... | iv |
| Chapter 1: Automobile Safety Becomes a Federal Affair | 1 |
| The Automobile Redefines America..... | 1 |
| Automobile and Highway Safety | 2 |
| The Automobile Industry Reacts to New Safety Ideas | 7 |
| Political Rumbblings..... | 8 |
| The Broader Environment and Climate of Opinion | 10 |
| Federal Auto Safety Standards Are Mandated..... | 12 |
| The Origins of Airbags..... | 15 |
| Summary | 16 |
| Chapter 2: Getting to the First Automatic Occupant Crash Protection Standard: 1966-1970..... | 18 |
| The Original Occupant Crash Protection Standard: Seat Belts..... | 19 |
| The Airbag Issue Emerges | 21 |
| The First Steps Toward Standards Involving Airbags | 23 |
| The First Proposed Standard for Passive Restraints..... | 27 |
| Reactions to the Proposed Rule..... | 29 |
| The Rule is Modified | 35 |
| Summary | 37 |
| Chapter 3: Positions Harden: 1971-1976..... | 39 |
| Another “Final” Occupant Restraint Rule..... | 40 |
| A Presidential Intervention and Another Delay | 42 |
| Airbag Research and Testing: 1970-1972..... | 47 |
| A Major Court Ruling | 49 |
| The Seat Belt Alternative | 50 |
| Redefining Passive Restraint Standards and Other Delays | 53 |
| Reaction to the Interlock | 55 |
| James Gregory and the Passive Restraint Debate | 58 |
| 1975: Another Year of Debate and Delay | 64 |
| Coleman Takes Over..... | 71 |
| Summary | 79 |
| Chapter 4: A Standard Emerges Temporarily: 1977-1980 | 82 |
| Reopening the Passive Restraint Standard..... | 83 |
| A “Final” Passive Restraint Standard | 87 |
| Restraint Developments Following Adams’ Decision | 92 |
| The Battle of the Passives | 95 |
| Congressional Interventions..... | 100 |
| Summary | 101 |
| Chapter 5: How An Airbag Standard Finally Succeeded in a Period of Deregulation..... | 103 |
| Regulatory Relief for Auto Manufacturers | 105 |
| Keeping Airbags Alive After Rescission | 113 |
| The Courts Intervene..... | 116 |
| New Leaders at DOT and Another Review | 120 |
| DOT Explores New Possibilities | 128 |

| | |
|--|-----|
| Mrs. Dole’s Decision | 130 |
| Manipulating the “Trapdoor” | 135 |
| The Spread of Driver-Side Airbags..... | 137 |
| Consumer Reaction and Accident Experience..... | 141 |
| Summary | 143 |
| | |
| Chapter 6: The Consequences of the Airbag Rule: 1989-2002 | 146 |
| The Market Overtakes the Automatic Protection Rule | 147 |
| More Regulations: A Performance Standard Replaced by a Technological Standard..... | 149 |
| The Growth of Seat Belt Use | 151 |
| Evaluating Driver Airbags | 153 |
| Injuries and Deaths From Airbags | 156 |
| Attitudes Toward Airbags | 159 |
| The Effectiveness of Passenger Airbags..... | 160 |
| The Early Regulatory Response to Airbag Injuries | 161 |
| Seat Belt Use As a Solution to Airbag Injuries..... | 171 |
| Defining Advanced Airbags..... | 174 |
| Trends in Airbag Fatalities and Injuries..... | 180 |
| Summary | 181 |
| | |
| Chapter 7: Conclusions..... | 185 |
| How Successful Have Airbag Standards Been?..... | 185 |
| Would Economic Forces Have Been More Efficient Than Regulation in Making Airbags Available? | 187 |
| How Can the Motor Vehicle/Highway Safety Regulatory Process be Made More Effective?..... | 188 |
| Scope | 188 |
| Speed | 189 |
| Testing Assumptions..... | 190 |
| Regulatory Criteria..... | 190 |
| The Preference for Performance Standards | 190 |
| Comparing Costs and Benefits | 191 |
| Public Acceptability | 191 |
| Should Some People Be Given More Crash Protection than Others? | 191 |
| The Superiority of Automatic Protection | 192 |
| Assumptions About Behavior | 193 |
| The Politics of Airbag Regulation..... | 194 |
| Presidential Intervention..... | 194 |
| The Political Course of Airbag Regulation | 194 |
| | |
| Appendix | 197 |