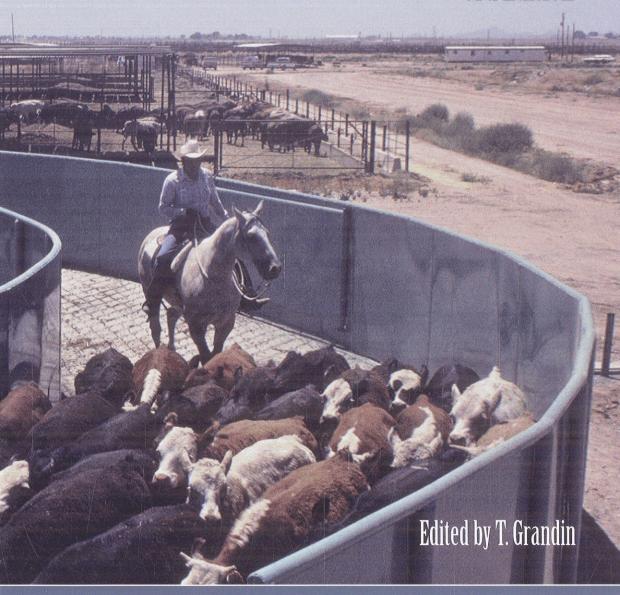
Livestock Handling and Transport

3rd Edition





Contents

Con	Contributors	
Preface		xi
1	Introduction: Effect of Customer Requirements, International Standards and Marketing Structure on the Handling and Transport of Livestock and Poultry T. Grandin	1
2	General Principles of Stress and Well-being P.B. Siegel and W.B. Gross	19
3	Causes of Poor Welfare and Welfare Assessment during Handling and Transport D.M. Broom	30
4	Behavioural Principles of Handling Cattle and Other Grazing Animals under Extensive Conditions T. Grandin	44
5	Low-stress Restraint, Handling and Weaning of Cattle J.M. Stookey and J.M. Watts	65
6	Handling Cattle Raised in Close Association with People R. Ewbank and M. Parker	76
7	Handling Facilities and Restraint of Range Cattle T. Grandin	90
8	Dairy Cattle Behaviour, Facilities, Handling, Transport, Automation and Well-being J.L. Albright and W.K. Fulwider	109
9	Cattle Transport T. Grandin and C. Gallo	134

10	Behavioural Principles of Sheep Handling G.D. Hutson	155
11	Design of Sheep Yards and Shearing Sheds A. Barber and R.B. Freeman	175
12	Sheep Transport M.S. Cockram	184
13	Dogs for Herding and Guarding Livestock L. Coppinger and R. Coppinger	199
14	Behavioural Principles of Pig Handling P.H. Hemsworth	214
15	Transport of Pigs E. Lambooij	228
16	Handling and Transport of Horses K.A. Houpt	245
17	Deer Handling and Transport L.R. Matthews	271
18	Poultry Handling and Transport C.A. Weeks	295
19	Stress Physiology of Animals During Transport T.G. Knowles and P.D. Warriss	312
20	Handling and Welfare of Livestock in Slaughter Plants T. Grandin	329
21	Biosecurity for Animal Health and Food Safety K.E. Belk, J.A. Scanga and T. Grandin	354
Web Resources		371
Index		375