

## VOLUME TWO

# LIST OF ILLUSTRATIONS

NO. OF FIG.	PAGE
1. Sketches of Brick Moulding Machinery . . . . .	4
2. Brick Mould used in the Hand Moulding Process . . . . .	5
3. Brick Kilns . . . . .	9
4. Tunnel Kiln . . . . .	10
5. Special Bricks . . . . .	18
6. Lime Kiln . . . . .	19
7. Diagram of Lime Hydrating Plant . . . . .	21
8. Diagram of Cement Works . . . . .	23
9. Testing Apparatus for Cement, etc. . . . .	33
10. Squint Junctions in English and Flemish Bonds . . . . .	37
11. Acute and Obtuse Squint Quoins in English and Flemish Bonds . . . . .	38
12. Rebated and Splayed Jambs, Squint and Octagonal Piers . . . . .	39
13, 14. Cavity Walls . . . . .	41, 43
15. Circular Work . . . . .	45
16. Reinforced Brickwork . . . . .	47
17. Raking Bonds . . . . .	49
18. Special Bonds . . . . .	50
19. Brick Arches (Semicircular with Orders, Circular, etc.) . . . . .	53
20. Damp Proofing of Basements . . . . .	57
21. Dry Area . . . . .	58
22. Stepped Foundations for Sloping Sites . . . . .	59
23. Concrete Floor Construction, Concrete Mixer . . . . .	61
24. Decorated Brickwork . . . . .	63
25, 26. Fireplaces, Flues, Chimney Breasts and Stacks . . . . .	66, 67

NO. OF FIG.	PAGE
27. Setting Out . . . . .	69
28. Drain Pipes and Traps . . . . .	73
29. Setting Out and Construction of Drains . . . . .	77
30. Drainage Scheme and Details of Intercepting Chamber . . . . .	79
31. Inspection Chamber . . . . .	81
32. Sanitary Fittings . . . . .	83
33. Map showing Disposition of Building Stones . . . . .	93
34. Diagrams showing Typical Structures of Building Stones . . . . .	95
35. Apparatus for Frost Action Test . . . . .	100
36. Masonry Machines . . . . .	103
37. Stone Dressings to Semicircular-headed Door Openings . . . . .	106
38. Stone Dressings to Square-headed Door Openings . . . . .	108
39. Stone Mouldings at Door Openings . . . . .	109
40. Stone Dressings to Window Openings . . . . .	110
41. Details of Masonry at Window Openings . . . . .	111
42. Window with Stone Dressings, including Consoles . . . . .	112
43. Cornices . . . . .	114
44. Stone Steps, Thresholds . . . . .	116
45. Stone Open Well Staircase . . . . .	118
46. Reinforced Concrete and Marble Staircase . . . . .	119
47. Mild Steel Roof Truss suitable for 20-ft. Span . . . . .	123
48. Mild Steel Roof Truss suitable for 30-ft. Span . . . . .	125
49. Mild Steel Roof Truss suitable for 30 to 40-ft. Span . . . . .	126
50. Mild Steel Roof Truss suitable for 40-ft. Span . . . . .	127