

Remarkable bridges of master architect "SINAN": 1489-1588 (Turkey)

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HIS LIFE — **HIS MAJOR WORKS**

1512-1588

1512: Born in Bursa, Ottoman Empire

1513: Studied at the Medrese of Bursa

1515: Moved to Istanbul

1520: Served as a scribe in the Topkapı Palace

1525: Became a member of the Medrese of Bursa

1530: Served as a scribe in the Topkapı Palace

1535: Served as a scribe in the Topkapı Palace

1540: Served as a scribe in the Topkapı Palace

1545: Served as a scribe in the Topkapı Palace

1550: Served as a scribe in the Topkapı Palace

1555: Served as a scribe in the Topkapı Palace

1560: Served as a scribe in the Topkapı Palace

1565: Served as a scribe in the Topkapı Palace

1570: Served as a scribe in the Topkapı Palace

1575: Served as a scribe in the Topkapı Palace

1580: Served as a scribe in the Topkapı Palace

1588: Died in Istanbul

CLASSIFICATION OF HIS TOTAL WORKS

1. Bridges

2. Aqueducts

3. Mosques

4. Medreses

5. Madrasas

6. Public buildings

7. Palaces

8. Fortifications

9. Clocks

10. Clock towers

11. Clock mechanisms

12. Clock gears

13. Clock weights

14. Clock springs

15. Clock escapements

16. Clock pendulums

17. Clock escapement wheels

18. Clock escapement levers

19. Clock escapement pallets

20. Clock escapement jewels

21. Clock escapement diamonds

22. Clock escapement rubies

23. Clock escapement sapphires

24. Clock escapement emeralds

25. Clock escapement garnets

26. Clock escapement tourmalines

27. Clock escapement quartz

28. Clock escapement silicon

29. Clock escapement germanium

30. Clock escapement arsenic

31. Clock escapement antimony

32. Clock escapement bismuth

33. Clock escapement tin

34. Clock escapement lead

35. Clock escapement zinc

36. Clock escapement copper

37. Clock escapement nickel

38. Clock escapement cobalt

39. Clock escapement iron

40. Clock escapement steel

41. Clock escapement brass

42. Clock escapement bronze

43. Clock escapement pewter

44. Clock escapement solder

45. Clock escapement silver

46. Clock escapement gold

47. Clock escapement platinum

48. Clock escapement palladium

49. Clock escapement rhodium

50. Clock escapement iridium

51. Clock escapement osmium

52. Clock escapement ruthenium

53. Clock escapement cadmium

54. Clock escapement mercury

55. Clock escapement uranium

56. Clock escapement thorium

57. Clock escapement radium

58. Clock escapement polonium

59. Clock escapement astatine

60. Clock escapement francium

61. Clock escapement actinium

62. Clock escapement protactinium

63. Clock escapement thorium-232

64. Clock escapement thorium-230

65. Clock escapement uranium-238

66. Clock escapement uranium-235

67. Clock escapement plutonium-239

68. Clock escapement plutonium-241

69. Clock escapement americium-241

70. Clock escapement americium-243

71. Clock escapement neptunium-237

72. Clock escapement neptunium-239

73. Clock escapement neptunium-241

74. Clock escapement plutonium-242

75. Clock escapement plutonium-244

76. Clock escapement americium-242m

77. Clock escapement americium-243m

78. Clock escapement neptunium-237m

79. Clock escapement neptunium-239m

80. Clock escapement plutonium-242m

81. Clock escapement plutonium-244m

82. Clock escapement americium-242m2

83. Clock escapement americium-243m2

84. Clock escapement neptunium-237m2

85. Clock escapement neptunium-239m2

86. Clock escapement plutonium-242m2

87. Clock escapement plutonium-244m2

88. Clock escapement americium-242m3

89. Clock escapement americium-243m3

90. Clock escapement neptunium-237m3

91. Clock escapement neptunium-239m3

92. Clock escapement plutonium-242m3

93. Clock escapement plutonium-244m3

94. Clock escapement americium-242m4

95. Clock escapement americium-243m4

96. Clock escapement neptunium-237m4

97. Clock escapement neptunium-239m4

98. Clock escapement plutonium-242m4

99. Clock escapement plutonium-244m4

100. Clock escapement americium-242m5

101. Clock escapement americium-243m5

102. Clock escapement neptunium-237m5

103. Clock escapement neptunium-239m5

104. Clock escapement plutonium-242m5

105. Clock escapement plutonium-244m5

SOME OF HIS CONTEMPORARIES

1512: Leonardo da Vinci (Italy)

1515: Michelangelo (Italy)

1520: Raphael (Italy)

1525: Titian (Italy)

1530: Peter Paul Rubens (Belgium)

1535: Johannes Vermeer (Netherlands)

1540: Rembrandt (Netherlands)

1545: Claude Monet (France)

1550: Vincent van Gogh (Netherlands)

1555: Pablo Picasso (Spain)

1560: Salvador Dalí (Spain)

1565: Piet Mondrian (Netherlands)

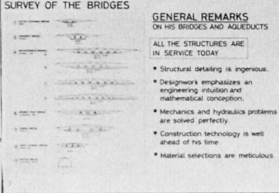
1570: Wassily Kandinsky (Russia)

1575: Piet Mondrian (Netherlands)

1580: Wassily Kandinsky (Russia)

1588: Wassily Kandinsky (Russia)

REMARKABLE BRIDGES OF MASTER ARCHITECT 'SINAN' 1489-1588



GENERAL REMARKS ON HIS BRIDGES AND AQUEDUCTS

ALL THE STRUCTURES ARE IN SERVICE TODAY

- Structural detailing is ingenious.
- Designers' emphasis on engineering, structure and mathematical conception.
- Mechanics and hydraulics problems are solved perfectly.
- Construction technology is well ahead of his time.
- Material selections are meticulous.

