

The following table shows the results of the various experiments conducted during the year 1878. The first column gives the name of the experiment, the second the date, and the third the result.

Experiment	Date	Result
1. Test of strength of iron wire	Jan 15	Wire broke at 100 lbs
2. Test of strength of steel wire	Jan 20	Wire broke at 150 lbs
3. Test of strength of copper wire	Jan 25	Wire broke at 80 lbs
4. Test of strength of lead wire	Jan 30	Wire broke at 50 lbs
5. Test of strength of zinc wire	Feb 5	Wire broke at 60 lbs
6. Test of strength of tin wire	Feb 10	Wire broke at 40 lbs
7. Test of strength of silver wire	Feb 15	Wire broke at 120 lbs
8. Test of strength of gold wire	Feb 20	Wire broke at 140 lbs
9. Test of strength of platinum wire	Feb 25	Wire broke at 180 lbs
10. Test of strength of nickel wire	Feb 30	Wire broke at 90 lbs
11. Test of strength of cobalt wire	Mar 5	Wire broke at 70 lbs
12. Test of strength of manganese wire	Mar 10	Wire broke at 60 lbs
13. Test of strength of chromium wire	Mar 15	Wire broke at 110 lbs
14. Test of strength of iron wire with coating	Mar 20	Wire broke at 130 lbs
15. Test of strength of steel wire with coating	Mar 25	Wire broke at 160 lbs
16. Test of strength of copper wire with coating	Mar 30	Wire broke at 95 lbs
17. Test of strength of lead wire with coating	Apr 5	Wire broke at 55 lbs
18. Test of strength of zinc wire with coating	Apr 10	Wire broke at 65 lbs
19. Test of strength of tin wire with coating	Apr 15	Wire broke at 45 lbs
20. Test of strength of silver wire with coating	Apr 20	Wire broke at 135 lbs
21. Test of strength of gold wire with coating	Apr 25	Wire broke at 155 lbs
22. Test of strength of platinum wire with coating	Apr 30	Wire broke at 195 lbs
23. Test of strength of nickel wire with coating	May 5	Wire broke at 100 lbs
24. Test of strength of cobalt wire with coating	May 10	Wire broke at 75 lbs
25. Test of strength of manganese wire with coating	May 15	Wire broke at 65 lbs
26. Test of strength of chromium wire with coating	May 20	Wire broke at 120 lbs
27. Test of strength of iron wire with coating and heat treatment	May 25	Wire broke at 140 lbs
28. Test of strength of steel wire with coating and heat treatment	May 30	Wire broke at 170 lbs
29. Test of strength of copper wire with coating and heat treatment	Jun 5	Wire broke at 105 lbs
30. Test of strength of lead wire with coating and heat treatment	Jun 10	Wire broke at 60 lbs
31. Test of strength of zinc wire with coating and heat treatment	Jun 15	Wire broke at 70 lbs
32. Test of strength of tin wire with coating and heat treatment	Jun 20	Wire broke at 50 lbs
33. Test of strength of silver wire with coating and heat treatment	Jun 25	Wire broke at 145 lbs
34. Test of strength of gold wire with coating and heat treatment	Jun 30	Wire broke at 165 lbs
35. Test of strength of platinum wire with coating and heat treatment	Jul 5	Wire broke at 200 lbs
36. Test of strength of nickel wire with coating and heat treatment	Jul 10	Wire broke at 110 lbs
37. Test of strength of cobalt wire with coating and heat treatment	Jul 15	Wire broke at 80 lbs
38. Test of strength of manganese wire with coating and heat treatment	Jul 20	Wire broke at 70 lbs
39. Test of strength of chromium wire with coating and heat treatment	Jul 25	Wire broke at 130 lbs
40. Test of strength of iron wire with coating and heat treatment and annealing	Jul 30	Wire broke at 150 lbs
41. Test of strength of steel wire with coating and heat treatment and annealing	Aug 5	Wire broke at 180 lbs
42. Test of strength of copper wire with coating and heat treatment and annealing	Aug 10	Wire broke at 115 lbs
43. Test of strength of lead wire with coating and heat treatment and annealing	Aug 15	Wire broke at 65 lbs
44. Test of strength of zinc wire with coating and heat treatment and annealing	Aug 20	Wire broke at 75 lbs
45. Test of strength of tin wire with coating and heat treatment and annealing	Aug 25	Wire broke at 55 lbs
46. Test of strength of silver wire with coating and heat treatment and annealing	Aug 30	Wire broke at 155 lbs
47. Test of strength of gold wire with coating and heat treatment and annealing	Sep 5	Wire broke at 175 lbs
48. Test of strength of platinum wire with coating and heat treatment and annealing	Sep 10	Wire broke at 210 lbs
49. Test of strength of nickel wire with coating and heat treatment and annealing	Sep 15	Wire broke at 120 lbs
50. Test of strength of cobalt wire with coating and heat treatment and annealing	Sep 20	Wire broke at 85 lbs
51. Test of strength of manganese wire with coating and heat treatment and annealing	Sep 25	Wire broke at 75 lbs
52. Test of strength of chromium wire with coating and heat treatment and annealing	Sep 30	Wire broke at 140 lbs
53. Test of strength of iron wire with coating and heat treatment and annealing and drawing	Oct 5	Wire broke at 160 lbs
54. Test of strength of steel wire with coating and heat treatment and annealing and drawing	Oct 10	Wire broke at 190 lbs
55. Test of strength of copper wire with coating and heat treatment and annealing and drawing	Oct 15	Wire broke at 125 lbs
56. Test of strength of lead wire with coating and heat treatment and annealing and drawing	Oct 20	Wire broke at 70 lbs
57. Test of strength of zinc wire with coating and heat treatment and annealing and drawing	Oct 25	Wire broke at 80 lbs
58. Test of strength of tin wire with coating and heat treatment and annealing and drawing	Oct 30	Wire broke at 60 lbs
59. Test of strength of silver wire with coating and heat treatment and annealing and drawing	Nov 5	Wire broke at 165 lbs
60. Test of strength of gold wire with coating and heat treatment and annealing and drawing	Nov 10	Wire broke at 185 lbs
61. Test of strength of platinum wire with coating and heat treatment and annealing and drawing	Nov 15	Wire broke at 220 lbs
62. Test of strength of nickel wire with coating and heat treatment and annealing and drawing	Nov 20	Wire broke at 130 lbs
63. Test of strength of cobalt wire with coating and heat treatment and annealing and drawing	Nov 25	Wire broke at 90 lbs
64. Test of strength of manganese wire with coating and heat treatment and annealing and drawing	Nov 30	Wire broke at 80 lbs
65. Test of strength of chromium wire with coating and heat treatment and annealing and drawing	Dec 5	Wire broke at 150 lbs
66. Test of strength of iron wire with coating and heat treatment and annealing and drawing and tempering	Dec 10	Wire broke at 170 lbs
67. Test of strength of steel wire with coating and heat treatment and annealing and drawing and tempering	Dec 15	Wire broke at 200 lbs
68. Test of strength of copper wire with coating and heat treatment and annealing and drawing and tempering	Dec 20	Wire broke at 135 lbs
69. Test of strength of lead wire with coating and heat treatment and annealing and drawing and tempering	Dec 25	Wire broke at 75 lbs
70. Test of strength of zinc wire with coating and heat treatment and annealing and drawing and tempering	Dec 30	Wire broke at 85 lbs
71. Test of strength of tin wire with coating and heat treatment and annealing and drawing and tempering	Jan 5	Wire broke at 65 lbs
72. Test of strength of silver wire with coating and heat treatment and annealing and drawing and tempering	Jan 10	Wire broke at 175 lbs
73. Test of strength of gold wire with coating and heat treatment and annealing and drawing and tempering	Jan 15	Wire broke at 195 lbs
74. Test of strength of platinum wire with coating and heat treatment and annealing and drawing and tempering	Jan 20	Wire broke at 230 lbs
75. Test of strength of nickel wire with coating and heat treatment and annealing and drawing and tempering	Jan 25	Wire broke at 140 lbs
76. Test of strength of cobalt wire with coating and heat treatment and annealing and drawing and tempering	Jan 30	Wire broke at 100 lbs
77. Test of strength of manganese wire with coating and heat treatment and annealing and drawing and tempering	Feb 5	Wire broke at 85 lbs
78. Test of strength of chromium wire with coating and heat treatment and annealing and drawing and tempering	Feb 10	Wire broke at 160 lbs
79. Test of strength of iron wire with coating and heat treatment and annealing and drawing and tempering and rolling	Feb 15	Wire broke at 180 lbs
80. Test of strength of steel wire with coating and heat treatment and annealing and drawing and tempering and rolling	Feb 20	Wire broke at 210 lbs
81. Test of strength of copper wire with coating and heat treatment and annealing and drawing and tempering and rolling	Feb 25	Wire broke at 145 lbs
82. Test of strength of lead wire with coating and heat treatment and annealing and drawing and tempering and rolling	Feb 30	Wire broke at 80 lbs
83. Test of strength of zinc wire with coating and heat treatment and annealing and drawing and tempering and rolling	Mar 5	Wire broke at 90 lbs
84. Test of strength of tin wire with coating and heat treatment and annealing and drawing and tempering and rolling	Mar 10	Wire broke at 70 lbs
85. Test of strength of silver wire with coating and heat treatment and annealing and drawing and tempering and rolling	Mar 15	Wire broke at 185 lbs
86. Test of strength of gold wire with coating and heat treatment and annealing and drawing and tempering and rolling	Mar 20	Wire broke at 205 lbs
87. Test of strength of platinum wire with coating and heat treatment and annealing and drawing and tempering and rolling	Mar 25	Wire broke at 240 lbs
88. Test of strength of nickel wire with coating and heat treatment and annealing and drawing and tempering and rolling	Mar 30	Wire broke at 150 lbs
89. Test of strength of cobalt wire with coating and heat treatment and annealing and drawing and tempering and rolling	Apr 5	Wire broke at 110 lbs
90. Test of strength of manganese wire with coating and heat treatment and annealing and drawing and tempering and rolling	Apr 10	Wire broke at 90 lbs
91. Test of strength of chromium wire with coating and heat treatment and annealing and drawing and tempering and rolling	Apr 15	Wire broke at 170 lbs
92. Test of strength of iron wire with coating and heat treatment and annealing and drawing and tempering and rolling and drawing	Apr 20	Wire broke at 190 lbs
93. Test of strength of steel wire with coating and heat treatment and annealing and drawing and tempering and rolling and drawing	Apr 25	Wire broke at 220 lbs
94. Test of strength of copper wire with coating and heat treatment and annealing and drawing and tempering and rolling and drawing	Apr 30	Wire broke at 155 lbs
95. Test of strength of lead wire with coating and heat treatment and annealing and drawing and tempering and rolling and drawing	May 5	Wire broke at 85 lbs
96. Test of strength of zinc wire with coating and heat treatment and annealing and drawing and tempering and rolling and drawing	May 10	Wire broke at 95 lbs
97. Test of strength of tin wire with coating and heat treatment and annealing and drawing and tempering and rolling and drawing	May 15	Wire broke at 75 lbs
98. Test of strength of silver wire with coating and heat treatment and annealing and drawing and tempering and rolling and drawing	May 20	Wire broke at 195 lbs
99. Test of strength of gold wire with coating and heat treatment and annealing and drawing and tempering and rolling and drawing	May 25	Wire broke at 215 lbs
100. Test of strength of platinum wire with coating and heat treatment and annealing and drawing and tempering and rolling and drawing	May 30	Wire broke at 250 lbs

The above table shows the results of the various experiments conducted during the year 1878. The first column gives the name of the experiment, the second the date, and the third the result.