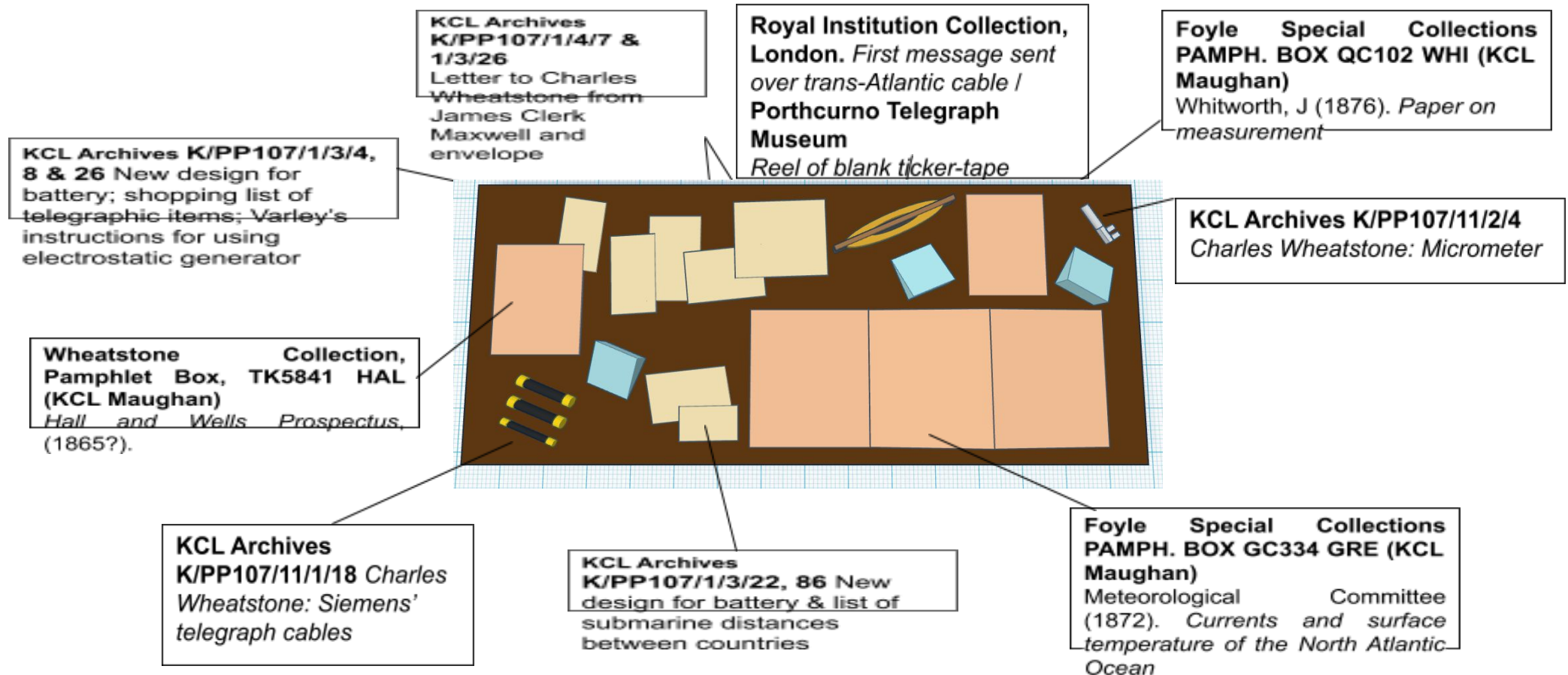
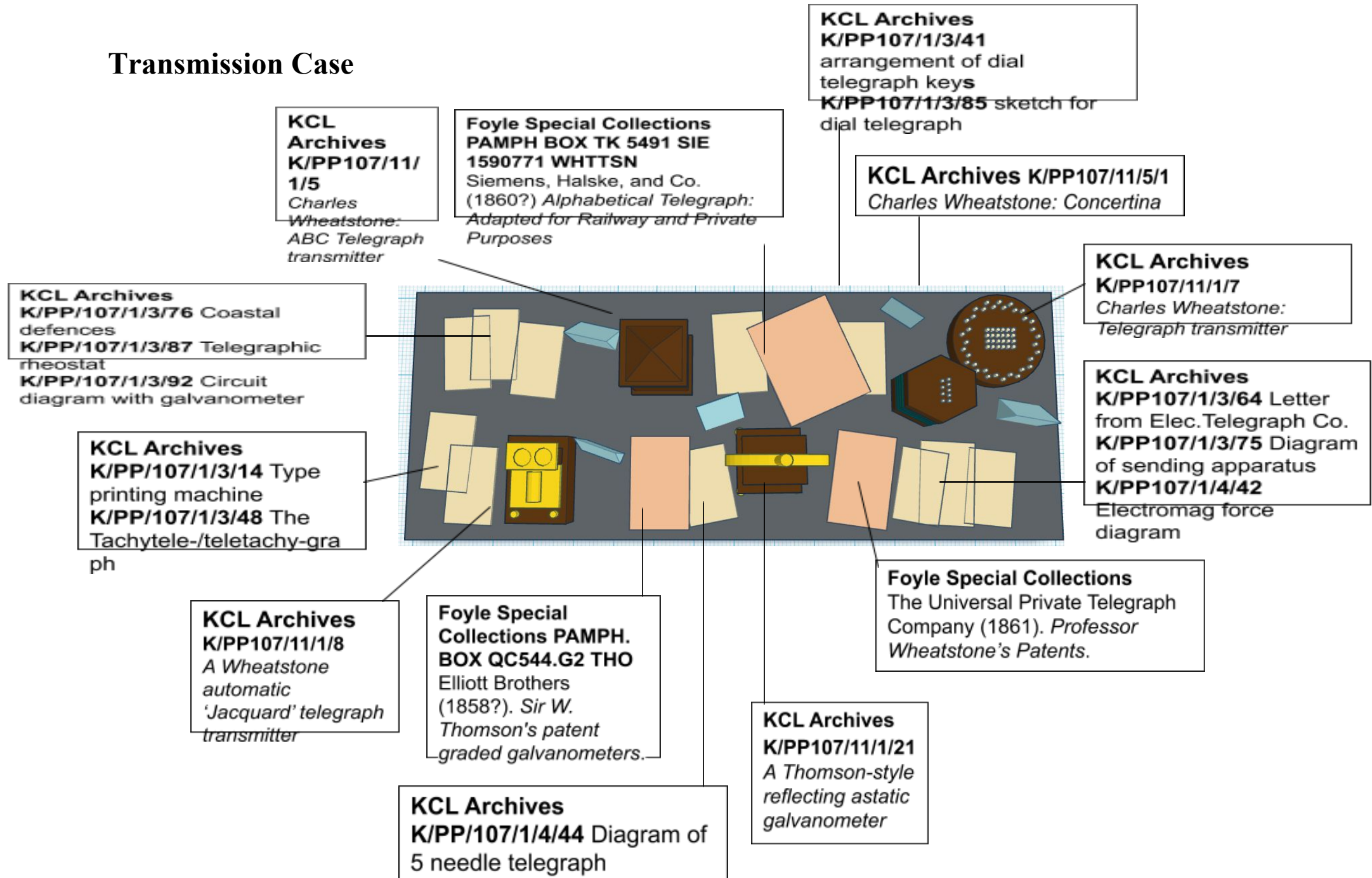


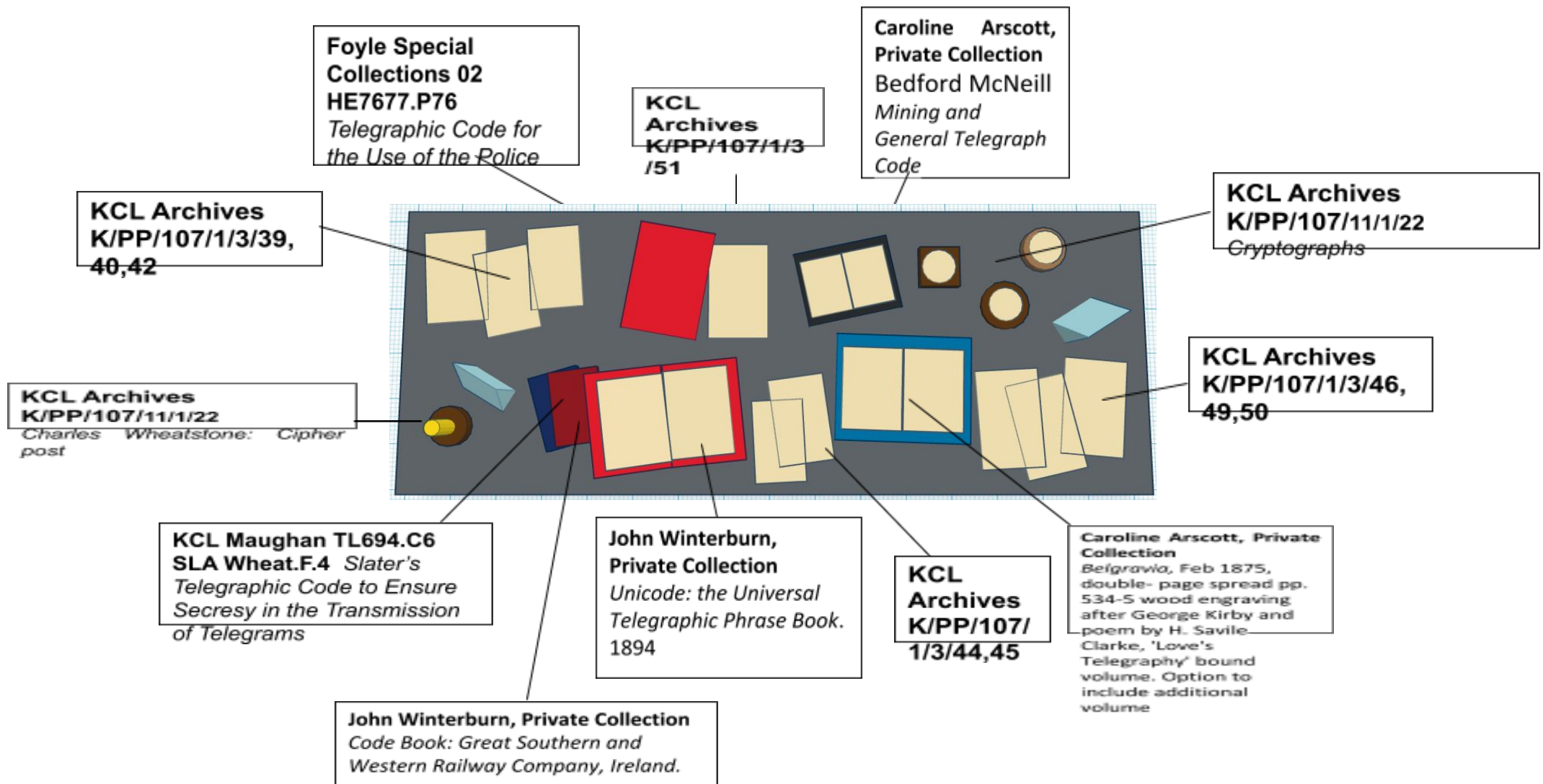
## Introductory Case



# Transmission Case



## Coding Case



## Resistance Plinth

- 22, 33 25 23 33 32 47 23 34 38 27 28 22 35 28 7 28! 34 24 32 29 22 30 23 34 30 34 24! 22 29 30 27 31 30 32 33 25 28 34 28 35 22 25 30 36 28 22 37 38  
8 27 27 24 33 34 34 22 9 35 33 34 28 35 23 51 22 - 43 45 : 49 47 43 45 44 49 / + 22 39 24 27 27 24 30 25 22, 33 25 23 33 32 22 42 43 45 6. 47 43 ; 49 44 50 51 22 43  
23 34  
9 30 35 33 32 22 1 28 27 31 24 32 51 22 25 30 34 28 25 30 34 24! 24 30 32 22 30 32 36 22 26 38 23 24! 24 23 34 22 36 28 31 24 23 28 36 22 34 24 23 22 34 38 26 28 22 33 &  
29 30 27 31 30 32 33 25 28 34 28 35 22 34 33 22 36 28 34 28! 34 22 34 28 22 27 33 # 22 31 33 27 34 30 29 28 23 22 32 28! 28 23 23 30 35 38 22 34 33 22 26 35 33 36 41! 28  
30 22 & 30 23 34 22 35 30 34 28 22 33 & 22 23 24 29 32 30 27 27 24 32 29 22 24 32 22 27 33 32 29 22 36 24 23 34 30 32! 28 22 34 28 27 28 29 35 30 26 22! 30 37 27 28 23 + 22  
42 35 28 & 0 22 1 (2 22 21 35! 24 31 28 23 22 47 22 13 44 43 49 44 3 43 43 3 43 3 6 43 50  
22  
21 32 22 30 41 34 33 25 30 34 24! 22 34 28 27 28 29 35 30 26 22 34 35 30 32 23 25 24 34 34 28 35 22 36 28 31 28 27 33 26 28 36 22 37 38 22 39 28 30 34 23 34 33 32 28 51  
- 43 45 48 45 47 43 45 : 44 / 51 22 30 32 36 22 37 30 23 28 36 22 33 32 22 34 28 22 < 30 != 41 30 35 36 22 2 33 33 25 22 26 41 32! 28 36 22! 30 35 36  
23 38 23 34 28 25 22 41 23 24 32 29 22! 33 32 34 24 32 41 33 41 23 22 34 30 26 28 + 22 22 39 28 30 34 23 34 33 32 28 22! 30 27 27 28 36 22 24 34 22 24 23  
> < 30 != 41 30 35 36 22 34 28 27 28 29 35 30 26 % + 22 22 21 22 23 26 35 24 32 29 22 36 35 24 31 28 32 22! 27 33! "# 33 35" 22 25 28! 30 32 24 23 25  
# 30 23 22 # 33 35" 28 36 22 37 38 22 30 22 30 32 36 27 28 22 25 30" 24 32 29 22 34 24 32 38 22 > \* 32 29 28 35 23 % 22 26 35 33 37 28 22 34 28 22 34 30 26 28 22 34 33  
33 26 28 32 22 30 32 36 22! 27 33 23 28 22! 33 32 34 30! 34 23 22 30!! 33 35 36 24 32 29 22 34 33 22 34 28 22 26 30 34 34 28 35 32 22 33 & 22 33 27 28 23 + 22 22 21 32  
33 35 24 29 24 32 30 27 22 23 34 35 24 26 22 33 & 22 26 28 35 & 33 35 30 34 28 36 22 26 30 26 28 35 22 34 30 26 28 22! 30 32 22 23 34 24 27 27 22 37 28 22 23 28 28 32 22 24  
32 22 34 28  
34 33 26 + 22 22  
42 35 28 & 0 22 1 (2 22 21 35! 24 31 28 23 22 47 22 13 44 43 49 44 3 43 43 3 43 3 45 50

King's College London Archives. K/PP107/11/2/1

*Charles Wheatstone: Wheatstone Bridge*

Prototype or demonstration model of the 'Wheatstone Bridge' or 'Differential Resistance Measurer' originally devised by Samuel Hunter Christie and further developed and promoted by Wheatstone. An electrical circuit designed to measure unknown resistance by using components with known resistance. Consists of a series of wires and connectors attached to a wooden base in a diamond shape.

2 cm x 43.8 cm x 7.6 cm

King's College London Archives. K/PP107/11/1/19

*Charles Wheatstone: Resistance box*

Resistance box with for measuring resistance in 1, 2, 4, 8, 16 and 32 mile lengths of telegraph wire. Consists of a wooden box with brass plates and knobs.

14.6 (22.5 open) cm x 24.5 cm x 11.7 cm

**King's College London Archives. K/PP107/1/4/1-60 (item 34 in folder)**

Small document referring to Resistance Box.

**King's College London Archives. K/PP107/1/3/1-92 (item 17 in folder)**

Small document discussing spontaneous charges from unpowered cable.

**King's College London Archives. K/PP107/1/1/1-79**

Small document on phosphorescent effects of submarine cable.