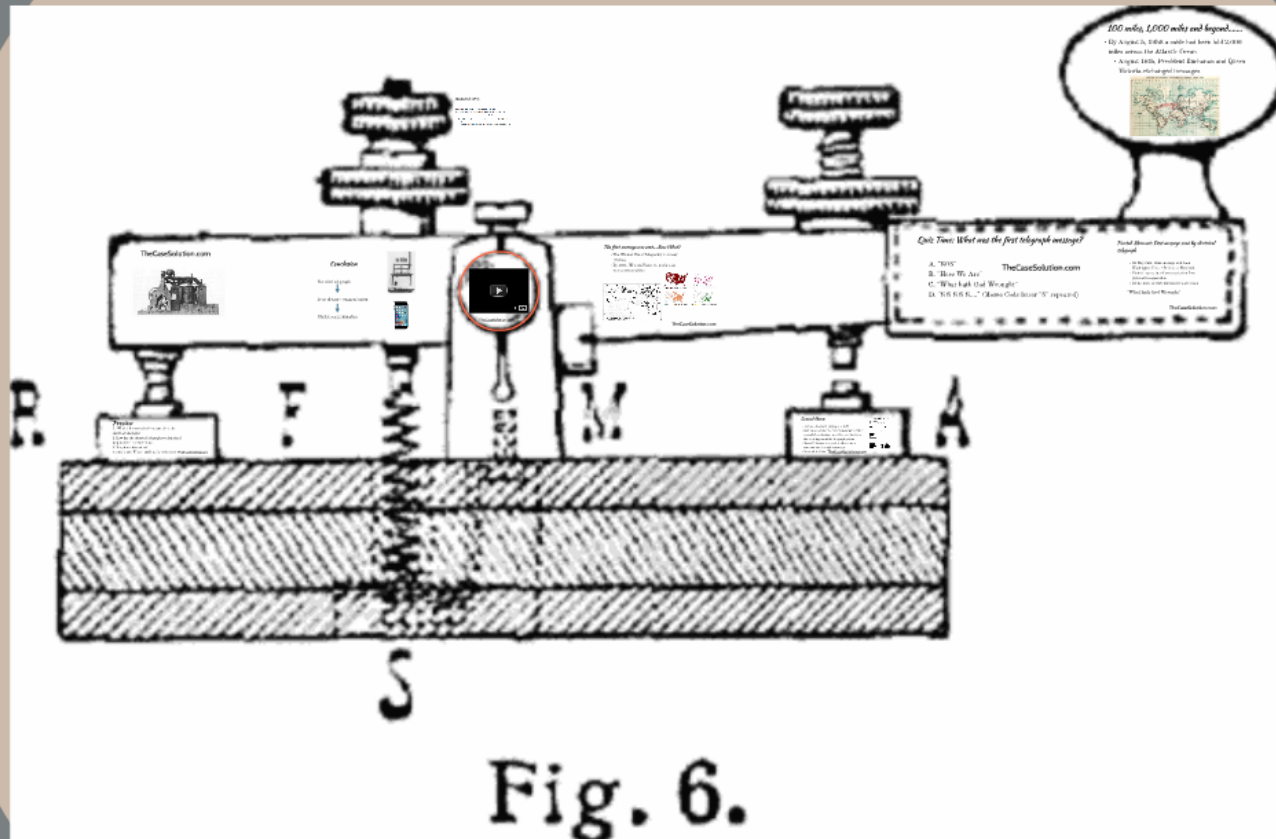


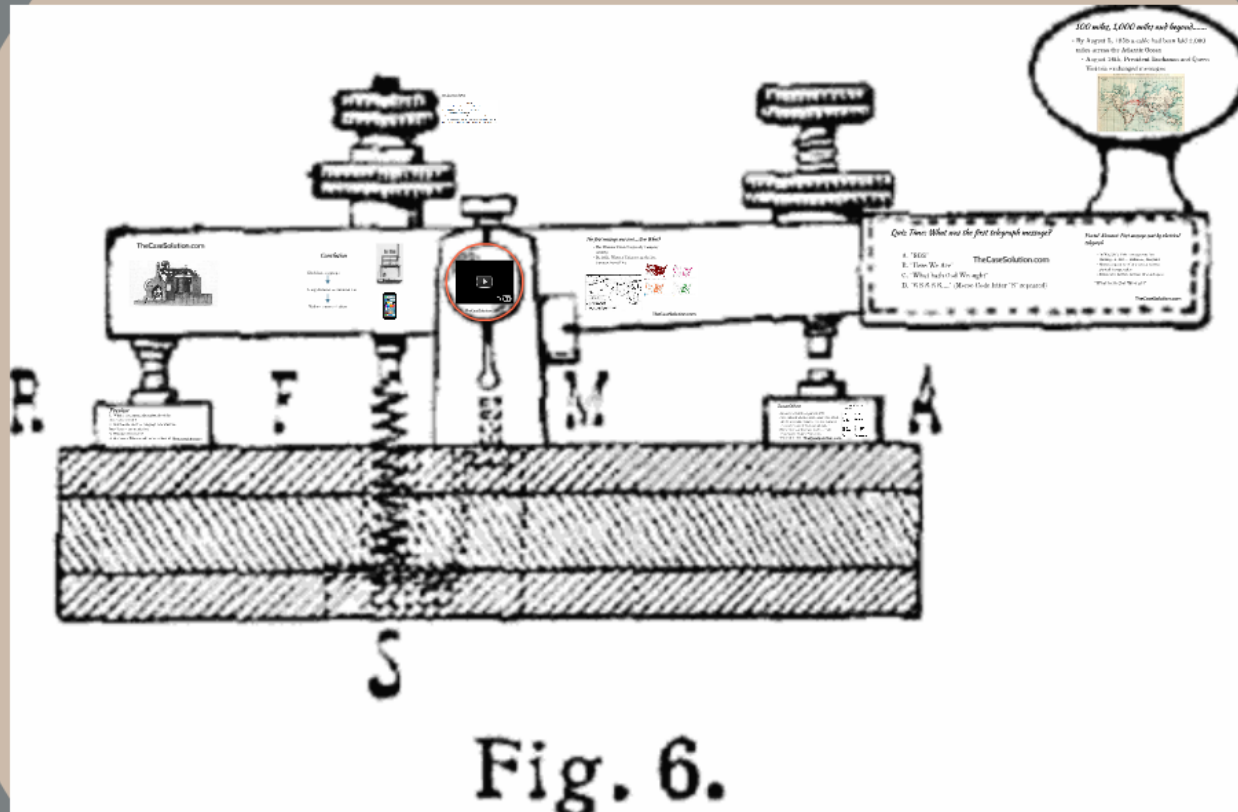
Werner von Siemens and the Electric Telegraph

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Werner von Siemens and the Electric Telegraph

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By Niamh Tattersall

Quiz Time: What was the first telegraph message?

A. "SOS"

B. "Here We Are"

C. "What hath God Wrought"

D. "S S S S S...." (Morse Code letter "S" repeated)

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Preview

1. What is the general information about the electrical telegraph?
2. How has the electrical telegraph revolutionized long-distance communication.
3. Why does this matter?
4. Conclusion: Where would we be without it? **TheCaseSolution.com**

Samuel Morse

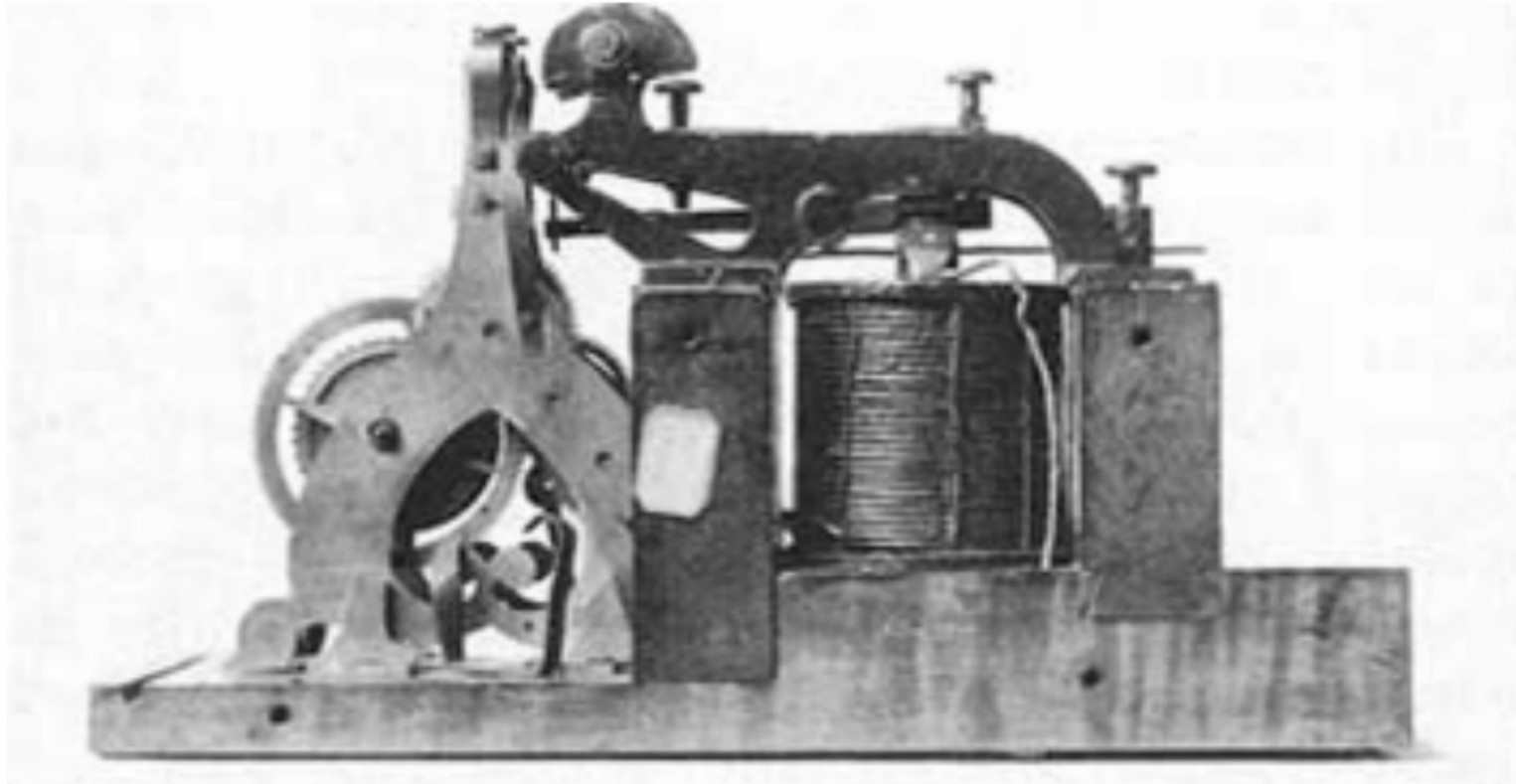
- Invented electrical telegraph in 1837
- Sent pulses of electric current along wires which controlled an electromagnet that was located at the receiving end of the telegraph system
- Morse Code was developed to allow simple transmission of complex messages
- Patented in 1844 **TheCaseSolution.com**

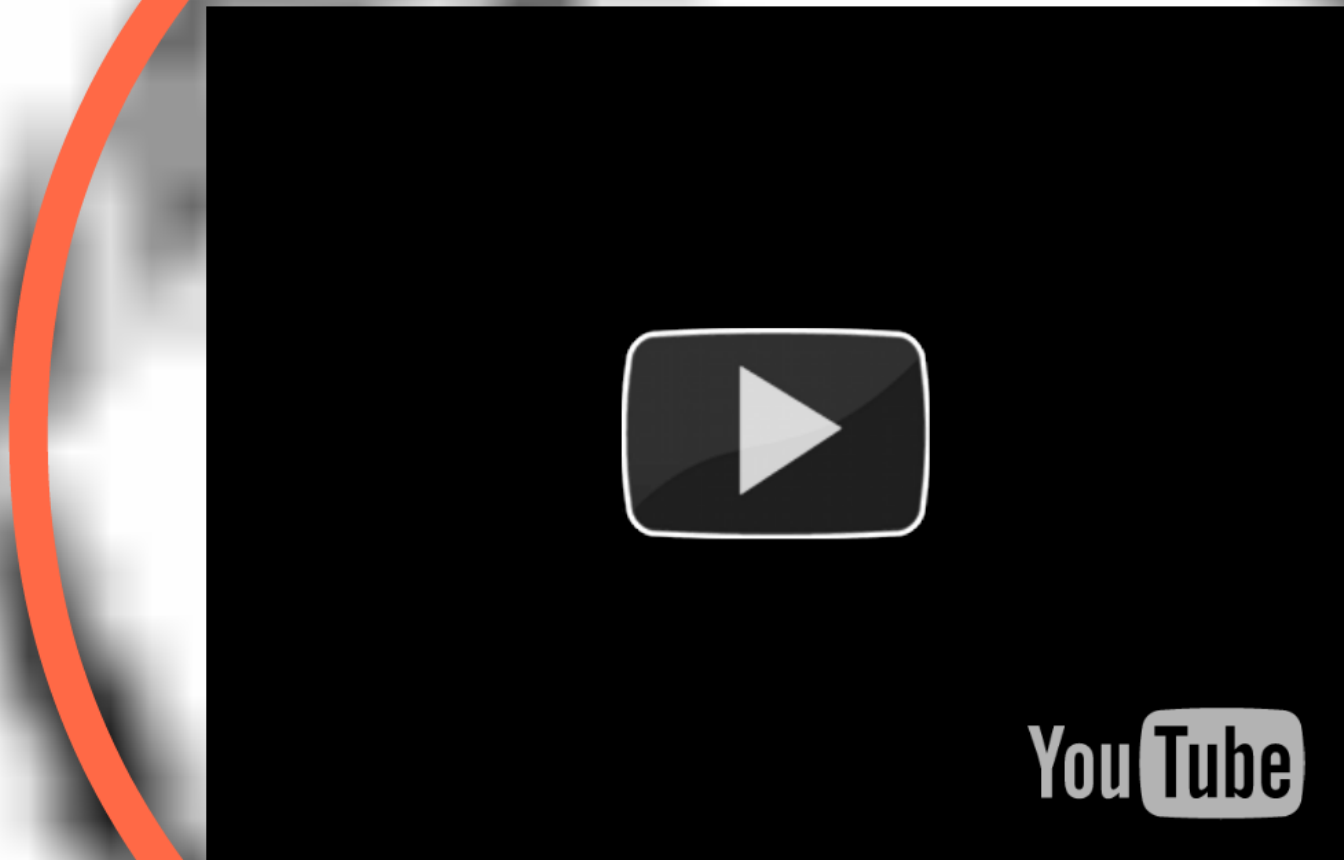
International Morse Code

1. The length of a dot is one unit.
2. A dash is three units.
3. The space between parts of the same letter is one unit.
4. The space between letters is three units.
5. The space between words is seven units.

A	• —	U	• • —
B	— • • •	V	• • — —
C	— — • •	W	• — — —
D	— • • •	X	— • • — —
E	•	Y	— — • — —
F	• • — •	Z	— — — • •
G	— — • •		
H	• • • •		
I	• •		
J	• — — — —		
K	— • — •	1	— — — — —
L	• — • •	2	• — — — —
M	— —	3	• • — — —
N	— •	4	• • • — —
O	— — —	5	• • • • •
P	— • — • •	6	— • • • •
Q	— — • • •	7	— — — • •
R	• — • •	8	— — — • • •
S	• • •	9	— — — — •
T	—	0	— — — — —

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Pivotal Moment: First message sent by electrical telegraph

- On May 24th, 1844 message sent from Washington, D.C, to Baltimore, Maryland.
- Historic separation of communication from physical transportation
- Broke down barriers between time and space

"What hath God Wrought"

The first message was sent....Now What?

- The Western Union Telegraphy Company (1850s)
- By 1861, Western Union set up the first transcontinental line

